

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

BUCHANAN'S



PLANT ONLY CERTIFIED COTTON SEED

R.B.BUCHANAN SEED CO.

18 S. FRONT ST. *Inc.* MEMPHIS, TENN.

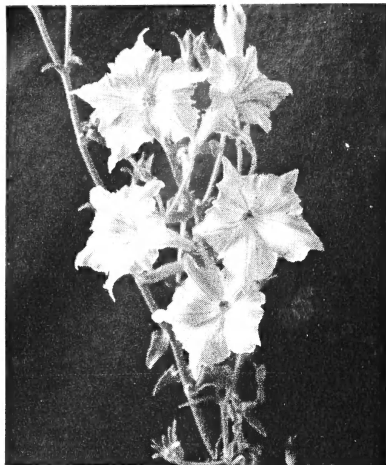


R.B. BUCHANAN SEED CO.

MEMPHIS, TENNESSEE,



BUCK BRAND TESTED SEEDS



Hollywood Star Petunia

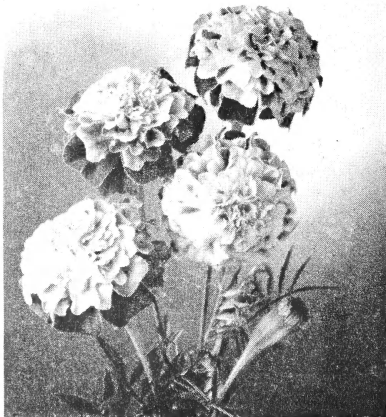
FOUR OUTSTANDING FLOWERS

696. Petunia
Hollywood Star
Pkt. 15c
see page 35

567. Morning Glory
Rose Marie
Pkt. 10c
see page 30



Rose Marie Morning Glory

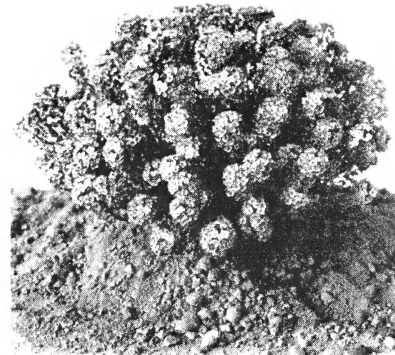


Spry Marigold

670B. Marigold
Spry
Pkt. 20c
see page 33

507. Alyssum
Violet Queen
Pkt. 10c
see page 28

**One pkt. of each
for only 45c.**

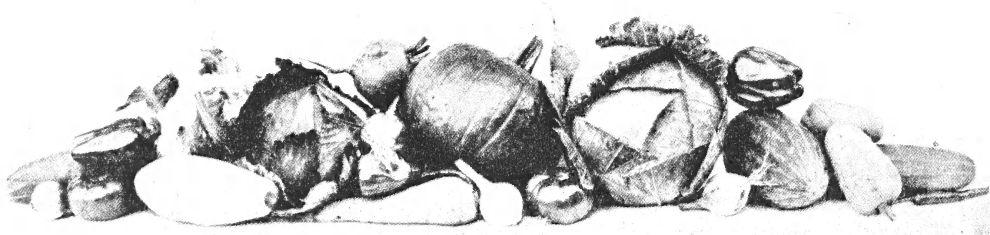


Violet Queen Alyssum

BUCK BRAND BIG GARDEN SEED COLLECTION

A \$2.00 Value Post Paid to You for Only \$1.00

1/2 Lb. Burpee's Stringless Green-pod.....	\$0.20	1 Oz. Gold Lined Rockyford.....	\$0.15	Pkt. Long Green Cucumber.....	\$0.05
1/2 Lb. Kentucky Wonder.....	.20	Pkt. Chantenay Carrot.....	.05	Pkt. Big Boston Lettuce.....	.05
1/2 Lb. Henderson Bush Lima.....	.20	1 Oz. Sou. Giant Curled Mustard.....	.10	Pkt. Dwarf Green Okra.....	.05
1/2 Lb. Ea. Alaska Peas.....	.20	Pkt. Rutgers Tomato.....	.05	Pkt. Bell or Bull Nose Pepper.....	.05
1/4 Lb. Whipple's Yellow Sugar Corn.....	.10	Pkt. White Tip Radish.....	.05	Pkt. Ea. White Bush Squash.....	.05
1/4 Lb. Extra Early Adams Corn.....	.10	1 Oz. Purple Top Globe Turnip.....	.10	Pkt. Mustard Spinach.....	.05
1 Oz. Crosby Egyptian Beet.....	.15	Pkt. Chas. Wakefield Cabbage.....	.05	Total	\$2.00



A Home Garden Collection



READ CAREFULLY

TO YOU: January, 1942, marks the beginning of my 46th year selling seed in Memphis and through these years I have tried to furnish my customers nothing but the best obtainable in seeds, bulbs, insecticides, etc. Seed is the smallest expense in producing a crop and we urge you to consider the quality rather than the cost. As soon as new, improved strains and varieties have proved their merits, we offer them for your benefit.

ORDER EARLY—Due to unsettled world conditions and the demand for defense materials, the supply of many items is very limited. In the case of seed production, there has been partial or almost complete crop failures on a great many varieties on account of adverse weather conditions in the growing area. These two factors make it advisable for you to order early before further market advances and while stock is still available.

PRICES—The prices quoted in this catalog are those prevailing the first of January, 1942. We do not expect many changes, but, due to extremely unsettled conditions, we must reserve the right to change prices without notice and, in such instances, we will notify you immediately on receipt of your order. Post-paid prices on smaller quantities rarely ever change.

CASH WITH ORDER—Please send money with order sufficient to cover the whole bill and remit by express, postal money order or check. We advise against C. O. D. orders because of delays and high collection charges, which are unsatisfactory to the customer and expensive to us if uncalled for and returned at our expense. We accept C. O. D. orders for seeds when 25 per cent of the order amount is paid in advance. The deposit is meant to cover collection and return charges in case the order is not called for and paid for by the customer.

FREE DELIVERY BY MAIL—We pay postage on all Seeds quoted postpaid in this catalogue. The prices on the Yellow Price List are F. O. B. Memphis. Study the parcel post map, figure your postage and save money. Sending coins, bills, or stamps through the mail is safe and convenient.

NON-WARRANTY—R. B. Buchanan Seed Co., Inc., give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, plants, fertilizers, insecticides, etc., they send out and will not in any way be responsible for the crop. Purity and germination, when given, are the results of tests, but are without warranty. If the purchaser does not accept the goods on these terms, they are to be returned at once and the amount paid for them will be refunded.

January 1, 1942.

R. B. BUCHANAN SEED CO., INC.

Plant a Garden This Year in Self Defense

INDEX

Vegetable Seeds and Plants, Flower Seeds, Roses and Bulbs, Fruit Trees and Berry Plants

Vegetable Seeds	C	H	O	R	W
Pages 5 through 27	Cabbage .....11	Herbs .....5	Okra .....17	Radish .....22	Watermelon .....26-27
A	Carrots .....10	Horse Radish.....5	Onion Seed.....17	Rhubarb .....5	Vegetable Plants
Asparagus .....10	Cantaloupes.....12-13	K	Onion Sets .....17		All kinds .....5
Asparagus Roots.....5	Cauliflower.....9	Kale .....15		S	Flower Seeds
B	Celery .....10	Kohl Rabi.....10		Salsify .....23	Pages 28 through 37
Beans—Snap .....6	Chicory .....10	L	P	Spinach .....23	Planting Table .....3
Beans—Lima .....8	Collards .....10	Leek .....10	Parsley .....17	Squash .....9	
Beans—Soup .....7	Corn—Garden.....13-14	Lettuce .....16	Parsnip .....17	Swiss Chard.....9	Roses and Bulbs
Beans—Edible Soy.....22	Corn—Pop .....46		Peas—Garden.....18		Pages 38 through 42
Beets—Garden .....9	Cucumber .....15		Peas—Table .....19	T	Fruits and Berry Plants
Beets—Stock .....9	E	Mustard .....16	Pepper .....20	Tobacco .....25	Pages 43 and 44
Broccoli .....10	Egg Plants .....10	Mustard Spinach.....16	Planting Table.....4	Tomato .....24-25	
Brussels Sprouts.....10	Endives .....10		Potatoes .....54	Turnips .....38	
			Pop Corn .....46		
			Pumpkin .....21		

Field and Grass Seeds, Insecticides, Spraying, Fertilizers and Miscellaneous

Field and Grass Seeds	Insecticides	Bait M.	Mologer	Inoculation	Miscellaneous
Pages 45 through 57		Black Leaf 40.....65	Oil Emulsion.....62	Page 66	Cereana Chloro-.....68
Planting Table .....4	Pages 62 through 65	Bluestone .....62	Othol-K .....63	Pruning Tools	Ethylene Chloro-.....68
Alfalfa .....50	Spray Guide.....58	Bordeaux .....64	Paradichloro.....64	Page 59	hydrin .....68
Barley .....57	Arsenate of Lead.....64	Bug Death .....64	benzene .....65	Sprayers and Parts	Garden Gloves.....38-40
Broom Corn.....55	Alcaine .....63	Calcium Arsenate.....64	Paris Green .....64	Pages 60 and 61	Grafting Wax.....65
Cane, Atlas, Sargo.....55		Carbon Disulphide.....63	Red Arrow .....65	Fertilizers	Hot Kaps .....27
Cane, Forage.....55		Copper Fungicide.....63	Scalecide .....62	Page 67	Hormodin .....39
Cane, Grohoma.....55		Corrosive Sublimate.....63	Slug Shot .....64	Poultry Supplies	Meat Supplies .....69
Cane, Hegari.....55		Crow Tox .....65	Sulphur, Dry Lime.....65	Pages 70-71-72, and	Parcel Post Rates.....2
Cane, Sagrain.....55		Cryolite .....63	Sulphur, Lime.....62	Inside Back Cover	Peat Moss.....67-72
Cane, Milo Malze.....55		Derris Dust.....65	Solution .....62	Baby Chicks	Pencil-Evermark.....59
Cane, Kaffir Corn.....55		Dutox .....64	Sulphur, Superfine.....64	Inside Back Cover	Pest Killers .....69
Cane, Syrup .....55		Ethylene Dichloride.....65	Sulphur, Triangle.....64		Plant-Tabs .....42-67
Clover .....51		Emulsion .....65	Sulphur, Superfine.....64	Stock Remedies	Seed Sample Case.....68
Corn, Field.....45-46-47		Evergreen .....65	Sulphur, Superfine.....64	Pages 71-72, and	Sesames .....68
Corn, Hybrid.....45		Fish Oil Soap.....65	Spreader .....65	Inside Back Cover	Seed Sowers.....60
Crotalaria .....31-51		Garden Guard.....63	Tobacco Dust.....62		Soil Test Kits.....66
Cotton Seed.....48-49		Gnat Oil.....63	Tree Killer.....64	Dog Supplies	Twine .....59
Grasses .....52-53		Kleenup.....63	Triogen .....64	Page 71	Vitamin B-1.....41-66
Lespedeza .....53		Kopper Quack.....65	Volck .....65		Wood Labels.....59
		Kopper Shield.....63	Zinc Sulphate.....63		



R.B. BUCHANAN SEED CO.

MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS

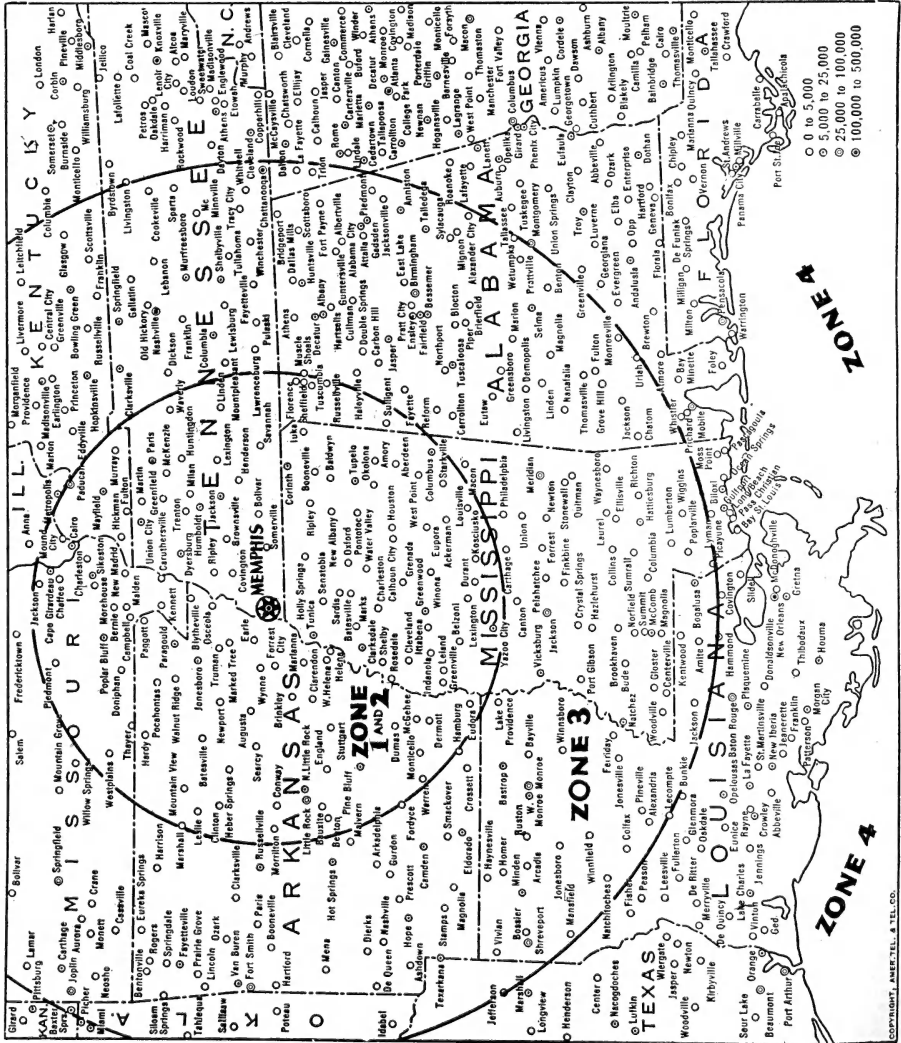
PARCEL POST ZONE RATES

SAVE MONEY—By reading the instructions, studying and referring to the Rate Table below, you can easily figure your postage on any amount up to 70 pounds. **See our Yellow Price List**, enclosed, showing prices **Not Prepaid**. Charges on parcel shipments must be paid in advance. Add the postage to the cost of merchandise and include it in your remittance when using yellow price list. We always return every penny you send over actual postage.

SAVE MONEY—This Parcel Post Map and Rate Table will help you to save money. Study it carefully—also study page 4. It is easy to figure Parcel Post. After studying these pages get the Yellow Price List enclosed and many times you can save money for yourself and friends by combining your orders and having those orders sent together in one package.

Parcel Post Zone Map from Memphis: Zones 1 and 2, not over 150 Miles, Zone 3, 151 to 300 Miles, Zone 4, 301 to 600 Miles, Zone 5, 601 to 1,000 Miles, Zone 6, 1,001 to 1,400 Miles, Zone 7, 1,401 Miles to 1,800 Miles, Zone 8, all over 1,800 Miles.

Wt. Lbs.	Zone 1 & 2	Zone 3rd	Zone 4th	Zone 5th	Zone 6th	Zone 7th	Zone 8th
1	\$0.08	\$0.09	\$0.10	\$0.11	\$0.12	\$0.14	\$0.15
2	10	11	12	13	14	17	19
3	11	12	13	14	15	18	20
4	12	13	14	15	16	19	21
5	13	14	15	16	17	20	22
6	14	15	16	17	18	21	23
7	15	16	17	18	19	22	24
8	16	17	18	19	20	23	25
9	17	18	19	20	21	24	26
10	18	19	20	21	22	25	27
11	19	20	21	22	23	26	28
12	20	21	22	23	24	27	29
13	21	22	23	24	25	28	30
14	22	23	24	25	26	29	31
15	23	24	25	26	27	30	32
16	24	25	26	27	28	31	33
17	25	26	27	28	29	32	34
18	26	27	28	29	30	33	35
19	27	28	29	30	31	34	36
20	28	29	30	31	32	35	37
21	29	30	31	32	33	36	38
22	30	31	32	33	34	37	39
23	31	32	33	34	35	38	40
24	32	33	34	35	36	39	41
25	33	34	35	36	37	40	42
26	34	35	36	37	38	41	43
27	35	36	37	38	39	42	44
28	36	37	38	39	40	43	45
29	37	38	39	40	41	44	46
30	38	39	40	41	42	45	47
31	39	40	41	42	43	46	48
32	40	41	42	43	44	47	49
33	41	42	43	44	45	48	50
34	42	43	44	45	46	49	51
35	43	44	45	46	47	50	52
36	44	45	46	47	48	51	53
37	45	46	47	48	49	52	54
38	46	47	48	49	50	53	55
39	47	48	49	50	51	54	56
40	48	49	50	51	52	55	57
41	49	50	51	52	53	56	58
42	50	51	52	53	54	57	59
43	51	52	53	54	55	58	60
44	52	53	54	55	56	59	61
45	53	54	55	56	57	60	62
46	54	55	56	57	58	61	63
47	55	56	57	58	59	62	64
48	56	57	58	59	60	63	65
49	57	58	59	60	61	64	66
50	58	59	60	61	62	65	67
51	59	60	61	62	63	66	68
52	60	61	62	63	64	67	69
53	61	62	63	64	65	68	70
54	62	63	64	65	66	69	71
55	63	64	65	66	67	70	72
56	64	65	66	67	68	71	73
57	65	66	67	68	69	72	74
58	66	67	68	69	70	73	75
59	67	68	69	70	71	74	76
60	68	69	70	71	72	75	77
61	69	70	71	72	73	76	78
62	70	71	72	73	74	77	79
63	71	72	73	74	75	78	80
64	72	73	74	75	76	79	81
65	73	74	75	76	77	80	82
66	74	75	76	77	78	81	83
67	75	76	77	78	79	82	84
68	76	77	78	79	80	83	85
69	77	78	79	80	81	84	86
70	78	79	80	81	82	85	87





BUCK BRAND TESTED SEEDS

FLOWER SEED PLANTING TABLE

This table is for middle South climate and conditions. Allowances must be made. It is only a general guide. Abbreviations: T, tender; H, hardy; H H, half hardy; A, annual; B, biennial; P, perennial. Months are numbered: 1, January; 2, February; etc.

AN ANNUAL PLANT—The seed must be shown each year and after producing its blossom and seed the plant will perish. Examples: Asters, Salvia, Sweet Peas and Zinnias.

A BIENNIAL PLANT—Is one that maintains its vitality for two years or more, producing roots and leaves the first

year and fruit or blossoms the second season. Examples: Canterbury Bells, Digitalis and Sweet Williams.

A PERENNIAL PLANT—Is one that lives indefinitely and usually has a dormant season in which it loses its leaves and which puts on new growth the following growing seasons. Examples: Geranium, Carnation, Hollyhock and Delphinium.

NAME	Height of Plant	Shape of Plant	Color of Flowers	Good Cut Flowers	Best Use	Location Sun/Shady	Months to Plant	Months to Transpl't	Blooming Months	No. Seed to Ounce	No. Days to Germ.
Abnoria, HHA	6-9 in.	trailing	yellow, pink	no	edging	sunny	4-5	thin	6-10	10,000	10-15
Ageratum, HHA	8-24 in.	bushy	blue, white	yes	bedding	sunny	1-4	4-5	6-11	225,000	5-10
Alyssum, HHA	2-12 in.	spreading	white	fair	edging	sunny	3-4	thin	5-11	60,000	5-8
Antirrhinum, HA	18-24 in.	bushy	many	yes	bedding	any	3-5	4-5	6-10	150,000	8-12
Aquilegia, TP	24-45 in.	branchy	red, blue	yes	borders	any	8-9	10-11	5-6	17,500	12-60
Aretotis, HA	18-24 in.	bushy	blue, white	yes	border	sunny	3-5	4-5	6-11	no record	
Asters, A	12-30 in.	bushy	many	yes	bedding	any	1-6	4-5	6-11	12,000	5-10
Bachelor Button, TA	12-18 in.	bushy	purple, white	yes	bedding	sunny	4-5	thin	7-10	5,800	10-15
Balsam, A	18-30 ft.	erect	many	fair	border	sunny	3-5	4-5	6-10	3,500	8-10
Balsam Apple, A	15 in.	vine	orange fr.	no	novelty	sunny	4-5	thin	6-10	250	30
Bell, TP	6-12 in.	bushy	several	yes	border	any	4-5	thin	6-11	no record	
Brachycome, HHA	12 in.	bushy	several	fair	edging	any	3-5	4-5	6-11	no record	
Calendula, HA	12-36 in.	bushy	yellows	yes	bedding	sunny	1-4	3-5	6-11	3,000	5-10
Calliopsis, HA	12-36 in.	bushy	yellows	yes	bedding	sunny	1-4	thin	6-10	100,000	8-10
Candytuft, HA	12-18 in.	bushy	many	yes	bedding	sunny	3-4	thin	6-9	10,000	5-10
Canterbury Bells, B	18-42 in.	bushy	many	fair	border	sunny	3-9	4-5	6-7	no record	
Cardenia Climber, HHA	no 25 ft.	vine	red	no	climbing	any	4-5	thin	6-10	1,500	5-10
Carnation, P	18-36 in.	bushy	many	yes	bedding	sunny	2-3	4-5	6-10	15,000	10-15
Celosia, HHA	24-36 in.	bushy	red, yellow	fair	bedding	sunny	3-5	thin	6-11	30,000	8-10
Centurea, HA	24-36 in.	erect	many	yes	bedding	sunny	2-5	thin	6-9	7,000	8-10
Chrysanthemum, A	24-36 in.	bushy	several	yes	bedding	sunny	3-5	thin	7-11	10,000	8-10
Clarkia, HA	15-30 in.	bushy	several	yes	border	sunny	3-5	thin	6-10	100,000	10-15
Cobaea Scandens, P	15-30 ft.	vine	purple	no	climbing	sunny	3-5	4-5	6-8	400	5-20
Coleus, TA	12-24 in.	bushy	white	no	bedding	sunny	2-3	4-5	for lvs.	115,000	10-15
Coreopsis, HP	18-36 in.	bushy	yellow	yes	bedding	sunny	2-9	4-5-10	6-10	no record	
Cornflower, HA	1-3 ft.	erect	many	yes	bedding	sunny	11-12-1	5-10	4-5-6	7,000	8-10
Cosmos, A	48-72 in.	bushy	several	yes	bedding	sunny	4-5	thin	7-11	5,500	8-10
Cucumber, leafy, TA	10-18 in.	vine	red	no	climbing	any	4-6-9-10	thin	7-11	15,000	20
Cynoglossum, P	18-24 in.	bushy	blue	yes	border	sunny	3, 8	4-5, 10	5-7	no record	
Cypress Vine, TA	10-18 ft.	vine	red, white	no	climbing	sunny	4-5	thin	6-11	2,200	10-20
Dahlia, TP	36-72 in.	bushy	many	yes	bedding	any	2-3	4-5	7-11	3,000	10-20
Daisy, HP	10-30 in.	bushy	white, pink	yes	edging	any	2-3, 8	3-4, 10	5-10	200,000	8-10
Delphinium, P	36-60 in.	bushy	blues	yes	border	sunny	1-3, 8	3-4, 10	3-7, 10	15,000	20
Dianthus, HA	12-15 in.	bushy	many	yes	bedding	sunny	3-8	thin	6-11	3,000	5-10
Didiscus, HA	24-36 in.	slender	blue	yes	cutting	shady	2-3	4-5	6-11	no record	
Dusty Miller, HP	18-24 in.	bushy	purple	no	edging	sunny	6-9	thin	6-9	no record	
Eschscholtzia, A	10-12 in.	bushy	several	yes	bedding	sunny	3-5	thin	6-9	15,000	5-10
Euphorbia, HA	2-4 ft.	bushy	none	no	border	sunny	4-5	thin	4-5, 10	no record	
Forget-Me-Not, TP	8-12 in.	bushy	blue, white	yes	edging	any	3-4	thin	8-11	55,000	10-15
Four O'Clock, HA	24-30 in.	bushy	many	no	border	sunny	3-4	4-5	8-11	no record	
Fox Glove, HP	30-40 in.	erect	many	yes	bedding	sunny	2-3-8	3-4-10	7-9	200,000	10-15
Gaillardia, P	18-30 in.	bushy	red, gold	yes	bedding	sunny	2-4	4-5	6-11	15,000	10-15
Geranium, HA	12-15 in.	erect	several	no	bedding	any	3-4	4-5	4-10	no record	
Gerbera, HHP	12-15 in.	tufty, red to	yellow	yes	bedding	sunny	2-4; 7-8	4-5-8-9	3-11	no record	
Gilia, A	12-36 in.	bushy	blue	yes	border	any	3-5	thin	6-10	100,000	6-10
Godetia, A	12-18 in.	erect	many	yes	border	any	3-5	thin	7-10	5,800	10-15
Gomphrena, TA	12-18 in.	bushy	purple, white	yes	bedding	sunny	4-5	thin	6 wks	25,000	5
Gypsophila, A	18-24 in.	branchy	white	yes	border	sunny	4-5	thin	6-10	40,000	5-10
Helichrysum, HA	24-36 in.	bushy	many	yes	bedding	sunny	2-4	4-5	6-10	35,000	10-15
Heliotrope, TP	18-24 in.	bushy	several	yes	bedding	shady	2-4	3-4, 10	6-9	5,500	10-30
Hollyhock, P	5-8 ft.	slender	many	yes	border	moist	2-3, 8	3-4, 10	6-8	no record	
Hyacinth Bean, TA	10 ft.	vining	several	no	climber	sunny	4-5	thin	9-11	50,000	10
Kochia, TA	36 in.	bushy	red	no	border	sunny	3-4	thin	4-5	no record	
Kudzu, P	50 ft.	vine	purple	no	shade	any	3-4	4-5	6-10	no record	
Lantana, A	24-36 in.	branchy	several	yes	bedding	sunny	2-4	4-5	6-10	no record	
Larkspur, A	36-48 in.	tuft	many	yes	bedding	sunny	2-4	4-5	6-10	14,000	20
Lathyrus, HA	6-12 ft.	vine	pink, white	yes	blanket	sunny	1-4	3-4	6-10	600	60
Liatris, HA and HP	12-30 in.	clump	red-blue	no	bedding	sunny	2-8-7-9	4-9	5-10	no record	
Lobelia, TA	6-8 in.	bushy	blue	fair	edging	shady	3-4	3-5	6-10	700,000	5-20
Lupine, HA	24-30 in.	erect	several	yes	border	shady	4-5	thin	6-9	1,800	5-10
Marigold, HA	8-30 in.	bushy	yellows	yes	bedding	sunny	3-5	4-5	6-11	9,000	5-10
Matricaria, HHP	18-24 in.	bushy	white	yes	bedding	sunny	3-5	thin	7-11	150,000	10-12
Moon Flower, TA	20-30 ft.	vine	several	no	shade	sunny	3-5	thin	6-11	no record	
Morning Glory, A	20-50 ft.	vine	many	no	shade	sunny	3-5	thin	6-11	1,500	5-10
Nasturtium, A	12 in. 8 ft.	bushy, vine	many	yes	edging	sunny	4-6	thin	5-11	1,250	8-10
Nicotiana, TA	30-42 in.	branchy	several	yes	border	sunny	3-5	5	6-8	200,000	5-10
Nigella, HA	18-24 in.	bushy	blue, white	yes	border	sunny	3-5	thin	6-11	12,000	10-15
Oenothera, A	36-48 in.	bushy	yellow	no	border	sunny	3-4	thin	4-6	no record	
Pansy, HA	4-6 in.	clump	many	yes	edging	any	1-3, 9	3-4, 10	5-9	24,000	8-10
Petunia, HA	18-24 in.	bushy	many	fair	bedding	any	2-5	4-5	5-10	152,000	8-10
Phlox, HHA	12-18 in.	bushy	many	yes	bedding	sunny	3-5	thin	6-9	15,000	8-10
Physalis, HP	18-24 in.	branch	red pods	yes	drying	sunny	2-4-7-9	3-5-10	2nd yr.	no record	
Physostegia, HP	18-24 in.	erect	orchid	yes	bedding	sunny	2-4-9	2-5-10	6-9	150,000	15
Poppy, HA	24-60 in.	erect	many	yes	bedding	sunny	1-4	thin	6-10	300,000	8-10
Portulaca, TA	4-6 in.	spready	many	no	edging	sunny	4-5	thin	5-6	no record	
Portulaca, HP	12-24 in.	erect	several	yes	bedding	sunny	2-4-7-9	4-5-9-10	big lvs.	60	12-15
Ricinus, TA	5-10 ft.	branchy	bronze lvs.	no	massing	sunny	4-5	thin	5-11	125,000	5-10
Salpiglossis, HHA	18-30 in.	bushy	many	yes	border	any	3-5	4-5	6-11	10,000	5-10
Salvia, A	24-42 in.	bushy	red, blue	yes	bedding	sunny	3-5	4-5	6-11	5,000	10-15
Scabiosa, HA	24-30 in.	bushy	many	yes	bedding	sunny	3-5	4-5	6-11	no record	
Scarlet Runner, A	10-12 ft.	vine	red	no	climbing	sunny	4-5	thin	6-10	no record	
Schizanthus, TA	12-18 in.	bushy	many	yes	pot, bed	cool	2-3	3-4	4-6	18,000	3-10
Stocks, A	24-30 in.	bushy	many	yes	bedding	sunny	3-5	4-5	6-8	no record	
Sweet Pea, HA	4-8 ft.	vine	many	yes	cutting	sunny	11-12-1-5	thin	5-7	no record	
Sweet William, B	24-36 in.	bushy	many	yes	bedding	sunny	1-4	3-4	5-6	28,000	5-10
Sweet Viola, HA	12-24 in.	bushy	many	yes	bedding	sunny	3-4	thin	6-9	1,800	20-25
Texas Bluebonnet, HA	24-30 in.	erect	many	yes	bedding	sunny	4-5	thin	6-11	no record	
Thunbergia, HHA	4-5 ft.	vine	several	no	climbing	sunny	4-5	thin	5-11	no record	
Tithonia, TA	4-6 ft.	branchy	tangerine	yes	cutting	sunny	4-6	4-6	5-11	no record	
Torenia, TA	10-12 in.	bushy	blue	no	bedding	sunny	2-4-9	4-5-10	8-11	no record	
Tricorys, HHP	3-4 ft.	erect	orange	yes	bedding	sunny	3-4	4-5	6-10	no record	
Venedium, HHA	24-36 in.	bushy	orange	yes	bedding	sunny	2-5	4-5	6-10	10,000	10-15
Verbena, HHP	6-10 in.	spready	many	yes	edging	sunny	2-5	4-5	6-11	22,000	10-12
Vinca, A	15-18 in.	bushy	pink, white	fair	bedding	sunny	2-6	4-6	6-11	no record	
Viola, HP	6 in.	tuft	many	yes	border	any	2-5-8-9	3-10-11	6-11	4,000	5-10
Zinnia, HHA	24-36 in.	bushy	many	yes	bedding	sunny	3-5	4-5	6-11	4,000	5-10

FIELD AND GARDEN SEED PLANTING TABLE

COMPLETE CULTURAL DIRECTIONS ARE ALSO GIVEN UNDER EACH SEED HEADING

FIELD SEED	Lbs. Per Bu.	Depth to Sow Inches	Pounds Per Acre	Time of Seeding	Average No. Seed to Pound	Average Forage Yield to Acre	Average Lbs. Seed Yield to Acre
Alfalfa	60	1 to 1½	20 to 35	Feb. to May-Aug. to Nov.	232,000	6,000 to 10,000 lbs. of Hay	300 to 500 lbs.
Barley	48	1 to 2	72 to 100	Apr. to June-Sept.-Dec.	25,600	For Grazing	1,000 to 1,500 lbs.
Bermuda (Unhulled)	40	½	8 to 15	March to August	1,800,000	For Grazing and Lawns	200 to 250 lbs.
Bermuda (Hulled)	50	½	5 to 10	March to August	2,600,000	For Grazing and Lawns	200 to 250 lbs.
Blue Grass, Ky., for Lawn	14	½	75 to 100	Mch. to May-Aug.-Nov.	2,608,000	For Lawns in Shade	140 to 160 lbs.
Blue Grass, Ky., for Pasture	14	½	30 to 40	Mch. to May-Aug.-Nov.	2,608,000	2,000 to 3,000 lbs. of Hay	140 to 160 lbs.
Broom Corn	48	1 to 2	5 to 8	April to June	30,000	3,000 to 6,000 lbs. of Hay	200 to 400 lbs.
Clover, Alsike	60	½ to 1	6 to 10	Feb. to May-Aug.-Nov.	680,000	2,000 to 5,000 lbs. of Hay	200 to 500 lbs.
Clover, Black Medic	60	½ to 1	15 to 20	Feb. to March-Aug. to Dec.		Grazing and Improving Soil	100 to 400 lbs.
Clover, Burr Hulled	10	½ to 1	40 to 80	July to Aug.-Sept.-Oct.		Grazing and Improving Soil	1,000 to 4,000 lbs.
Clover, White Dutch	60	½ to 1	15 to 25	Aug. to Sept.-Oct.-Nov.	225,000	Pasturing, Grazing	200 to 600 lbs.
Clover, Crimson	60	1 to 1½	15 to 20	July to Aug.-Sept.-Oct.	150,600	Winter Pasture and Improving Soil	300 to 400 lbs.
Clover, Hop	60	½ to 1	3 to 5	Sept. to April	800,000	Grazing and Improving Soil	200 to 400 lbs.
Clover, Red	60	½ to 1	12 to 20	Feb. to Apr.-Aug. to Nov.	294,400	2,500 to 4,000 lbs. of Hay	100 to 300 lbs.
Clover, Sweet W. B.	60	½ to 1	15 to 25	Feb. to May-Aug. to Nov.	222,300	4,000 to 5,500 lbs. of Hay	150 to 400 lbs.
Corn, White Duto	60	½ to 1	3 to 5	Apr. to July 15th	790,600	For Grazing and Lawns	1,000 to 1,500 lbs.
Corn, Field	56	2 to 3	8 to 10	Mch. to July 15th	1,300	Depends on Seasons	1,000 to 5,600 lbs.
Corn, Pop	56	2 to 3	8 to 10	Mch. to July 15th	2,500		1,000 to 1,600 lbs.
Corn, Silage	56	2 to 3	10 to 12	Mch. to July 15th	1,300	10 to 15 tons	None
Cotton, Seed	32	1½ to 2	25 to 40	Apr.-May-June	4,000	None	300 to 1,000 lbs.
Crotalaria	10	½ to 1	10 to 20	Apr. to July 15th	14,000	Soil Building Legumes	400 to 600 lbs.
Grass, Dallas	10	½ to 1	10 to 15	Mch.-Apr.-May	285,000	Hay and Pasture	200 to 600 lbs.
Grass, Carpet	18	½ to 1	10 to 15	March to June	1,200,000	Pasture	200 to 400 lbs.
Grass, Orchard	14	½ to 1	15 to 20	Feb. to May-Aug. to Nov.	5,920,000	2,000 to 3,000 lbs. of Hay	140 to 160 lbs.
Grass, Rye	24	½ to 1	25 to 40	Aug. to Jan.	320,000	Winter Pasture	400 to 600 lbs.
Grass, Red Top	40	1 to 2	10 to 15	Feb. to May-Aug.-Nov.	77,750	3,000 to 5,000 lbs. of Hay	100 to 200 lbs.
Grass, Sudan	40	1 to 2	25 to 40	May to Aug. 15th	62,800	4,000 to 6,000 lbs. of Hay	400 to 600 lbs.
Grass, for Lawns	25	½ to 1	90 to 100	Anytime if Can Water	6,500,000		None
Grass, Timothy	45	½ to 1	15 to 20	Feb. to May-Aug.-Nov.	1,315,000	4,000 to 5,000 lbs. of Hay	250 to 500 lbs.
Grass, Pasture Mixture	45	½ to 1	15 to 25	Feb. to Apr.-Aug.-Nov.	1,500,000	Grazing	None
Hegari	10	½ to 2	4 to 8	Apr.-May-June-July	20,800	4 to 10 tons Forage	20 to 40 bu.
Lespedeza, Milo, Common	50	1 to 2	4 to 8	Apr.-May-June-July	20,800	6,000 to 8,000 lbs. of Forage	20 to 40 bu.
Lespedeza, Kobe	25	½ to 1	20 to 30	Jan. to May	200,000	2 to 4 tons	
Lespedeza, Korean	25	½ to 1	25 to 30	Jan. to May	150,000	Depending on Season and Grazing Before Last Cutting	300 to 1,000 lbs.
Lespedeza, Tenn. 76	25	½ to 1	25 to 30	Jan. to May	125,000		
Lespedeza, Sericea	60	½ to 1	15 to 20	Early Spring After Frost	230,000	Hay and Pasture	400 to 800 lbs.
Millet, German	50	½ to 1	40 to 50	May-June-July-Aug.	231,800	2 to 4 tons Hay	300 to 1,000 lbs.
Millet, Pearl	50	½ to 1	5 to 10	Early Spring After Frost	179,000	5 to 10 tons Forage	100 to 200 lbs.
Mung Beans	60	1 to 2	10 to 15	May-June-July	11,500	4,000 to 6,000 lbs. of Hay	600 to 1,000 lbs.
Oats	32	2 to 3	64 to 80	Feb.-Apr.-Sept.-Nov.	25,000	4,000 to 5,000 lbs. of Hay	1,300 to 1,800 lbs.
Peas	22	2 to 3	50 to 75	Apr.-May-June	7,100	2 to 4 tons of Hay	500 to 800 lbs.
Peas, Aus-Winter	60	2 to 3	25 to 40	Aug.-Sept.-Oct.-Nov.	300	Soil Building Legume	500 to 800 lbs.
Peas, Stock	60	2 to 3	60 to 120	Apr.-May-June-July	29,500	4,000 to 6,000 lbs. of Hay	600 to 800 lbs.
Rape, Dwarf Essex	50	1 to 2	6 to 10	Feb.-Mar.-Sept.-Oct.	111,100	10 to 12 tons of Green Feed	800 to 1,000 lbs.
Rye, Grain	56	1 to 2	60 to 90	Aug.-Sept.-Oct.-Nov.-Dec.	28,950	Winter Pasture	600 to 1,000 lbs.
Sagein	50	1 to 2	4 to 8	Apr.-May-June-July	20,500	3 to 5 tons of Forage	1,000 to 3,000 lbs.
Sorghum, Forage	50	1 to 2	50 to 75	Apr.-May-June-July	23,000	4 to 6 tons of Forage	None
Sorghum, Drilled	50	1 to 2	10 to 12	Apr.-May-June-July	23,000	6 to 10 tons of Forage	1,000 to 3,000 lbs.
Sorghum, Syrup	50	1 to 2	6 to 8	Apr.-May-June	24,000	100 to 200 gallons syrup	1,000 to 3,000 lbs.
Soy Beans, Small	60	1 to 2	20 to 30	Apr.-May-June-July	5 to 10,000	3 to 4 tons of Hay	20 to 35 bu.
Soy Beans, Large	60	1 to 2	30 to 90	Apr.-May-June-July	21 to 2,500	2 to 4 tons of Hay	20 to 35 bu.
Sunflower, Large	24	1 to 2	8 to 10	May-June-July	6,400	4 to 6 tons Hay	1,000 to 2,000 lbs.
Velvet Beans	60	3 to 4	20 to 40	May-June-July	800	Soil Building Legume	2,000 to 4,000 lbs.
Vetch, Hairy	60	1 to 2	20 to 30	Sept.-Oct.-Nov.-Dec.	15,000	4 to 6 tons Hay	400 to 600 lbs.
Wheat, Smooth	60	2 to 3	60 to 90	Sept.-Oct.-Nov.-Dec.	14,500	Winter Pasture and Grain	1,200 to 2,400 lbs.

GARDEN SEED	Seed for 100 ft. Row	Seed for 1 Acre	Time of Planting	Put Rows Apart	Leave Plts. Apart in Row	Crop Matures in About	Depth of Planting
Asparagus	1 oz.	4 to 5 lbs.	Mar.-Apr.	14 to 18 in.	3 to 6 in.	3 Years	1 inch
Beans, Bush	1 lb.	60 lbs.	March to September	3 ft.	6 in.	2 to 3 Months	2 inches
Beans, Pole	¾ lb.	30 lbs.	April to August	3 ft.	1½ ft.	3 to 4 Months	1 inch
Beans, Table	¾ lb.	10 lbs.	March to August	2 ft.	4 in.	2 to 3 Months	¾ inch
Beet, Stock	2 oz.	8 lbs.	April, May and June	2½ ft.	1 ft.	4 to 6 Months	1 inch
Broccoli	1 Pkt.	4 oz. T.	July, Aug. or Feb.-Mar.	2½ ft.	1 ft.	3½ Months	½ inch
Brussels Sprouts	2 Pkts.	4 oz. T.	July, Aug. or Feb.-Mar.	2½ ft.	1 ft.	4 Months	½ inch
Cabbage, Early	1 Pkt.	6 lbs. T.	Early Spring, Early Fall	2 ft.	4 ft.	3 to 4 Months	1 inch
Cabbage, Late	1 Pkt.	4 oz. T.	Mar., April, July, Aug.	2½ ft.	2 ft.	4 to 5 Months	1 inch
Carrot	1 oz.	4 lbs.	Early Spring, Early Fall	20 in.	3 to 4 in.	3 to 4 Months	¼ to ½ inch
Cauliflower	¾ oz.	4 oz. T.	Early Spring, Early Fall	3 ft.	2½ ft.	4 to 6 Months	½ inch
Celery	1 Pkt.	4 oz. T.	January to April	3 ft.	6 to 8 in.	4 to 5 Months	½ inch
Celery, Stalk	2 Pkts.	6 lbs. T.	Mar.-Sept.	2 ft.	28 in.	3 to 4 Months	1 inch
Collards	1 Pkt.	8 oz. T.	February to August	30 in.	18 in.	4 Months	1 inch
Corn, Sweet	½ lb.	10 lbs.	March to September	36 in.	12 in.	2½ to 3 Months	1 inch
Cucumber	2 Pkts.	2 lbs.	April to August	6 ft.	2 ft.	3 Months	1 inch
Egg Plant	1 Pkt.	6 oz. T.	February to June	30 in.	4 ft.	4 Months	½ inch
Endive	½ lb.	2 lbs.	March and August	20 in.	12 in.	4 Months	¼ inch
Kale	1 Pkt.	4 lbs.	February to October	2 ft.	6 in.	2 to 3 Months	½ inch
Kohlrabi	1 Pkt.	4 lbs.	Mar. to May, Aug.-Sept.	2 ft.	6 in.	3 Months	½ inch
Leek	¼ oz.	4 lbs.	Mar.-Apr.-Sept.	20 in.	2 in.	4 Months	½ inch
Lettuce	½ oz.	3 lbs.	Feb. to May, July, Oct.	24 in.	8 in.	2 to 3 Months	½ inch
Melons, Muskm.	2 Pkts.	1½ lbs.	April to July	2 ft.	6 ft.	3 to 4 Months	1 inch
Melons, Water	1 oz.	2 lbs.	April to July	8 ft.	8 ft.	3 to 4 Months	1 inch
Mustard	1 Pkt.	5 lbs.	Early Spring, Early Fall	18 in.	1 to 2 in.	4 to 5 weeks	½ inch
Okra	1 oz.	8 lbs.	April to July	3 ft.	1 ft.	3 Months	1 inch
Onion Seed	½ oz.	4 lbs.	Early Spring, Early Fall	20 in.	4 in.	4½ to 6 Months	1 inch
Onions, Sets	2 lbs.	300 lbs.	Spring, Fall	20 in.	2 in.	2 to 4 Months	1 inch
Parsley	½ oz.	4 lbs.	Spring, Fall	20 in.	6 in.	3 Months	½ inch
Parsnips	1 oz.	6 lbs.	March to June	24 in.	4 in.	4 Months	½ inch
Peas, Garden	1 lb.	75 lbs.	Feb. to May	30 in.	3 in.	2 to 4 Months	2 inches
Pepper	1 Pkt.	6 oz. T.	January to July	36 in.	18 in.	3 to 4 Months	½ inch
Potatoes, New	5 lbs.	600 lbs.	Early Spring, Early Fall	36 in.	15 in.	3 to 4 Months	5 inches
Potatoes, Sweet	70 Plants	10000 P.	April to July	36 in.	15 in.	3 to 4 Months	1 inch
Pumpkin	2 Pkts.	2 lbs.	April to July	10 ft.	8 ft.	3 to 4 Months	1 inch
Radish	1 oz.	10 lbs.	Early Spring, Early Fall	18 in.	2 in.	1 to 2 Months	½ inch
Rhubarb Roots	33 Roots	3000 P.	Spring and Fall	5 ft.	3 ft.	Next Spring	2 inches
Salsify	2 oz.	8 lbs.	March to June	20 in.	3 in.	4 Months	1 inch
Spinach	1 oz.	15 lbs.	Early Spring, Early Fall	20 in.	3 in.	3 to 30 days	1 inch
Squash	1 oz.	3 lbs.	April to August	4 ft.	3 ft.	2 Months	1 inch
Tobacco	1 Pkt.	1 to 2 oz.	January and February	3½ to 4 ft.	3 ft.	October	½ inch
Tomato, Seed	1 Pkt.	4 oz. T.	February to August	4 ft.	3 ft.	4 to 5 Months	½ inch
Tomato, Plants	35 Plants	4000 P.	April to July	4 ft.	3 ft.	2 to 3 Months	½ inch
Turnip	1 oz.	3 lbs.	February to October	20 in.	6 in.	3 to 4 Months	½ inch
Turnip, Swede or Rutabaga	1 oz.	3 lbs.	June to August	20 in.	6 in.	2 to 3 Months	½ inch

(Page 4) T. in the quantity column means these varieties are to be sown in hot bed and transplanted to the field.



BUCHANAN'S VEGETABLE PLANTS

All prices on this page are post paid and must be paid in advance, as we do not ship plants C. O. D. either by Parcel Post or Express. We grow millions of plants; get our prices when wanted in large quantities.

These plants grown in Memphis by our grower of 30 years' experience.

HOME GROWN CABBAGE PLANTS (Ready March 10th).
Prices: 100, 40c; 200, 70c; 500, \$1.25; 1,000, \$2.25, post paid.

PEPPER PLANTS (Ready March 25th)—Bell or Bull Nose, Chinese Giant (Sweet), Red Cayenne (Hot).
Doz., 25c; 25, 50c; 50, 70c; 100, \$1.25

LETTUCE PLANTS (Ready March 1st)—Big Boston, Wonderful.
50, 35c; 100, 55c; 200, 95c; 500, \$1.85; 1,000, \$2.95

BET PLANTS (Ready March 1st)—Market Gardener, Early Wonder, Crosby's Egyptian, Detroit Dark Red.
50, 35c; 100, 55c; 200, 95c; 500, \$1.85; 1,000, \$2.95

TOMATO PLANTS (Ready March 25th)—Grown from certified seed. Hotbed grown—transplanted. Marglobe, Ponderosa, Gulf State, Early Detroit, Earliana, and Rutgers.
Doz., 30c; 25, 50c; 50, 75c; 100, \$1.00; 500, \$3.00; 1,000, \$5.00

CELERY PLANTS (Ready March 15th)—Golden Self Blanching. Doz., 15c; 25, 25c; 50, 40c; 100, 75c; 500, \$3.50

CAULIFLOWER PLANTS (Ready March 15th)—Extra Early Snowball.
Doz., 35c; 25, 60c; 50, \$1.00; 100, \$1.75; 200, \$3.25

EGG PLANTS (Ready April 15th)—Black Beauty, New York Purple. Doz., 30c; 25, 50c; 50, 75c; 100, \$1.25

BUCHANAN'S GENUINE FROST-PROOF CABBAGE PLANTS

For Quantity Prices—Not Prepaid—See Yellow Sheet in Center of Catalogue

You will have very early cabbage by setting Buchanan's Frost-Proof Cabbage Plants. We begin shipping them January 1st, and continue through January, February and March.

BUCHANAN'S GENUINE FROST-PROOF CABBAGE PLANTS will be somewhat wilted and have a hard, stunted appearance when you receive them. Do not let this disappoint you. Plant them; the crop will not be disappointing. They are the genuine open field Frost-Proof Plants. Set cabbage in rows 30 inches apart, 15 to 20 inches in row, 10,000 to 14,000 to acre. All prices on cabbage plants are subject to crop conditions and market changes. Varieties: Early Jersey and Large Charleston Wakefield, Succession, Copenhagen Market and Early Flat Dutch. Prices—100, 40c; 200, 70c; 500, \$1.25; 1,000, \$2.25; post paid

BUCHANAN'S BERMUDA ONION PLANTS

For Quantity Prices—Not Prepaid—See Yellow Sheet in Center of Catalogue

We begin shipping about January 1 and continue through March. Set in rows 24 inches apart; plants 6 to 8 inches apart in row; requires about 44,100 plants to acre. They are not expensive and may be used as small green onions or, if left to mature, will produce large, delicious, mild onions.

YELLOW BERMUDA—The original Bermuda Onion. Skin straw-colored, flesh white, tender and mild. Medium size, flat, early maturing.

CRYSTAL WHITE WAX BERMUDA—No other onion has such clear, white skin, such mildness of flavor. It is deliciously tender and crisp. Especially desirable for salads. The most popular of all onions.

Price, Either Variety—100, 20c; 200, 35c; 500, 75c; 1,000, \$1.25; post paid

BUCHANAN'S STATE CERTIFIED SWEET POTATO SLIPS

Set in rows 3 feet apart; plants 12 inches apart. It takes about 10,000 plants for each acre. For a home garden 1,000 slips will make you a nice patch. We begin shipping Sweet Potato Slips April 10, weather permitting.

NANCY HALL—Maintains its popularity because of large yields and unsurpassed keeping and shipping qualities. One of the earliest maturing sweet potatoes.

PORTO RICO YAMS—It is fine-grained, juicy, and deliciously sweet. Its golden red color and excellent flavor make it the most desirable sweet potato for home use and it brings a premium on all markets.

Price, Either Variety—100, 50c; 200, 80c; 500, \$1.65; 1,000, \$3.00; post paid

BUCHANAN'S ROOTS AND HERBS

WASHINGTON ASPARAGUS ROOTS—Plant these extra large roots and save 1½ to 2 years' time in having your bed ready for cutting. Set the roots in permanent beds, using rich soil thoroughly prepared and worked very deep. Set 6 inches deep and 24 inches apart in rows 4 to 6 feet apart.

Doz., 40c; 25, 70c; 50, \$1.15; 100, \$2.00

RHUBARB ROOTS—Should be set in well-enriched moist soil at least 4 feet apart each way. Our variety best adapted to the South. Each, 15c; 3, 40c; 6, 65c; doz., 1.00; 25, \$1.90

HORSE RADISH ROOTS—Set the roots, small end down, with tops 2 inches below surface, about 18 inches apart in rows 3 feet apart. Cultivate well until leaves cover the ground.

Doz., 45c; 25, 80c; 50, \$1.40; 100, \$2.50

For flavoring soups, meats. All Herbs, except Sage—Pkt., post paid, 10c; 3 for 25c.

SWEET BASIL—Seeds and stems have strong flavor; used in soups and sauces.

CHIVES SEED—The onion-flavored tops are used in salads and soups. Perfectly hardy.

DILL—The dry branches and seed are used extensively for flavoring dill pickle. The young stems for flavoring soups and sauces. Ounce, 20c.

MARJORAM, SWEET—Leaves and shoots used for flavoring. Dry for winter use.

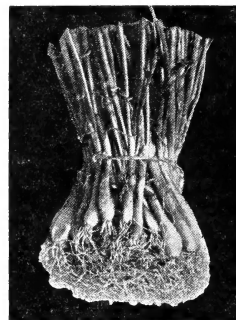
ROSEMARY—Leaves used for flavoring meats and soups.

SAGE SEED—Largely used for seasoning dressings and sausage. Pick leaves when half grown; dry, and powder them. Pkt., 20c; ½ oz., 75c.

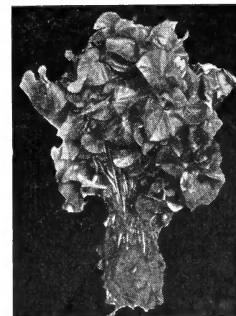
THYME—Leaves and shoots deliciously flavor meats and sausage.



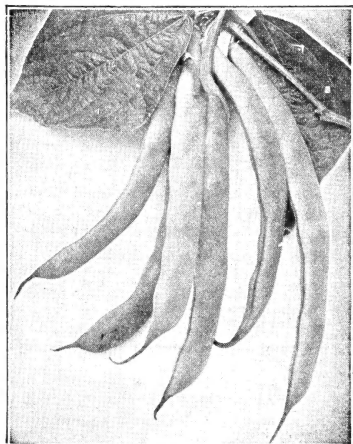
Frost-Proof Cabbage Plants



Onion Plants



Sweet Potato Slips

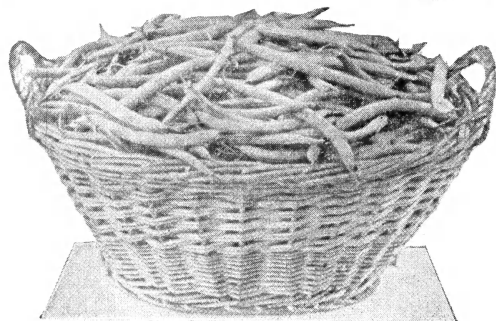


Stringless Green Pod or Tendergreen



Giant Stringless

**INOCULATE
ALL GARDEN BEANS
WITH
LEGUME AID**



U. S. Refugee No. 5

BUSH SNAP BEANS

Beans are sensitive to both cold and wet, so do not plant till the ground is warm. To have a continuous supply, plant every two weeks until September; further South they may be planted even later. Make the rows 24 to 30 inches apart, drop the beans 2 inches apart and cover $1\frac{1}{2}$ to 2 inches deep. Give frequent but shallow cultivation up to blossoming time, not afterward, and never when the plants are wet. Plant in a light, loamy soil that warms up quickly. One pound plants 100 feet.

FIELD PLANTING—In rows 2 feet apart; 1 bushel (60 lbs.) to acre. Ready in 6 or 7 weeks.

All Prices on This Page Post Paid
Quantity Prices—Not Prepaid—See Yellow Price List Enclosed

37—IMPROVED EXTRA EARLY RED VALENTINE—(47 days)—A standard variety, extra early. The pods are produced in large clusters on erect plants. It is very prolific and reliable. The pods are of medium length, and about $4\frac{1}{2}$ inches long, medium green color, curved, cylindrical, with crease in back, very fleshy, crisp and tender. When the young plants have to contend with adverse weather conditions, no other dwarf bean is more certain than the Red Valentine is to set pods.

40—BURPEE'S STRINGLESS GREEN POD—Our Stock Truly an Improved Strain—(47 days)—This special strain stringless and fiberless from the first pods until full grown. The pods are longer, straighter, meatier and of better flavor than the average Burpee beans on the market. It is also a heavier yielder and due to its excellent quality it is unsurpassed for canning.

41—STRINGLESS BLACK VALENTINE—(43 days)—Definitely stringless. It is perfect for the home gardener or trucker. The attractive green pods are nearly round, long, straight, very tender, and of good flavor. This bean is early, a vigorous grower, and one of the most prolific; splendid shipper. Due to its hardiness can be planted earlier in the spring and later in the fall than most other beans.

42—NEW STRINGLESS GREEN POD OR TENDERGREEN—Similar to Full Measure, but harder, and a more dependable cropper. Plant medium large, erect, somewhat thick stemmed, heavily productive. Pods nearly straight, dark green, round, meaty, succulent; absolutely stringless, totally without fiber, of outstanding quality. Good variety for canning or shipping.

44—GIANT STRINGLESS GREEN POD—(54 days)—This is a very desirable green-podded variety for the home garden, and also for truckers. The handsome round pods are 6 to 7 inches long, dark green in color, brittle and perfectly stringless. It is one of the most productive sorts and can be picked in one-third the time of any other variety. This bean is excellent for near or distant markets.

45—FULL MEASURE—(55 days)—Has every qualification required of a really first class bean. It has earliness; it is one of the most abundant bearers, and bears for a long season; it is entirely stringless, and the round 6 inch pods are very fleshy, firm and tender. For the home garden, as well as for market, it is hard to imagine a finer bean. A good variety for canning.

38—TENNESSEE GREEN POD—(52 days)—A very hardy and healthy bean. Desirable for local market and is resistant to adversity. A good yielder of large, long, flat pods. Very thick meat with texture and flavor almost equal to pole beans. Not entirely stringless, but a very desirable all-purpose bean.

PRICES ON ALL THE ABOVE BEANS

Post Paid—Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 5 lbs., \$1.00

39—U. S. REFUGEE No. 5—(63 days)—Introduced in 1935 by U. S. Dept. of Agriculture and has proven to be an outstanding bean. Medium early, resistant to disease. Plant large, very spreading, heavily productive. Pods medium long, round, straight, stringless and fiberless. Unusually desirable for canning. Adapted to spring or late summer planting and probably has no equal for the fall garden.

Pkt., $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 2 lbs., 65c; 5 lbs., \$1.25

DWARF WAX BEANS

58—IMPROVED GOLDEN WAX—(49 days)—One of the best wax beans, golden yellow pod, excellent flavor. Pods are medium length, straight and oval. Strictly stringless, rust-resistant, fleshy, very brittle and tender.

59—SURE CROP STRINGLESS WAX—(53 days)—The finest wax bean ever introduced. It is very prolific and of the finest eating qualities. The handsome rich looking yellow pods are 6 to 7 inches long, very thick, very meaty and sweet flavored; stringless at all stages of growth. Plants are upright in growth, healthy and vigorous. Adapted for home garden, local and distant market. Seeds jet black.

Prices All Wax Beans—Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 5 lbs., \$1.00.

EDIBLE SOY BEANS—See page 22



POLE SNAP BEANS

Pole Beans produce a greater supply of beans in a smaller space as compared with Bush Beans. They are even more tender than most bush varieties.

CULTURE—Set 6- to 8-foot poles every 3 feet in 3-foot rows, and plant 4 to 5 beans, about 2 inches deep, around each pole. When well started, thin to three strongest. A packet plants 40 hills; 1 pound to 150 hills; 30 pounds ($\frac{1}{2}$ bushel) to an acre. May also be planted thicker in rows and supported by a wire fence. For this method plant seed 2 feet apart sowing 300 feet with a pound of seed. Top dress with good fertilizer or manure; work it in as you cultivate. Save time, labor and space by planting pole beans in all corn, when the corn is about 1 foot high.

INOCULATE ALL BEANS TO INCREASE YIELDS AND ENRICH YOUR SOIL

SPECIAL SNAP BEAN COLLECTION

85c $\frac{1}{2}$ lb. U. S. Refugee No. 5 $\frac{1}{2}$ lb. Striped Cornfield **60c**
 $\frac{1}{2}$ lb. Stringless Black Valentine $\frac{1}{2}$ lb. Kentucky Wonder
VALUE—POSTPAID TO YOU FOR ONLY.....

All Prices on This Page Post Paid

Quantity Prices—Not Prepaid—See Yellow Price List Enclosed

67—KENTUCKY WONDER—Improved Strain—(65 days)—Pods thicker, more nearly round, meaty, tender, practically stringless and grow 8 to 10 inches long. Very hardy, a strong climber and is the most prolific pole, snap bean to plant any time from April to August; if closely picked will continue bearing until frost. No bean surpasses it in general quality and flavor.

64—KENTUCKY WONDER WAX—(68 days)—The most popular wax podded pole variety. Plant vigorous, good climber, productive. Pods waxy yellow, flat, nearly stringless, meaty.

65—McCASLAN—(65 days)—An astonishing yielder of large, rich, deep green pods 8 to 10 inches in length, stringless, meaty, and of delicious flavor. If kept closely picked, vines continue to bear until frost. When allowed to ripen the white shell beans are excellent for winter use.

66—STRIPED SCOTIA OR CORNFIELD—(72 days)—A superb green bean, succeeding better when planted in corn than any other variety because of its vigor and free climbing habits. The handsome green pods average 8 or 9 beans to the pod, grow very uniform, about 7 inches long, thick meated, rich and buttery. It continues in bearing so long it might be called "Everbearing." Specially adapted to growing on corn, thus economizing space on valuable land.

68—WHITE CREASEBACK OR SOUTHERN CORNFIELD—(68 days)—Splendid snap beans for home garden and early market. Good climber, heavily productive. Pods light green, round, 6 inches long, nearly stringless, very fleshy, brittle, tender. The mature white beans are excellent for baking.

71—WHITE KENTUCKY WONDER (Green Pod)—(64 days)—The pods are large and fill perfectly, and in the "snap" stage are deep green in color, meaty, stringless and of the finest flavor. It is resistant to rust and bears over a long time. When allowed to ripen the shell beans of pure white are most excellent for winter use.

72—IDEAL MARKET—(58 days)—Especially desirable for Southern planting, being the earliest pole bean yet developed. Plant is hardy, vigorous and a good climber. Pods about 6 in. long, round, meaty and tender. Stringless when young. Good for home gardens and long distance shipping.

PRICES ON ALL THE ABOVE BEANS

Post Paid—Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 5 lbs., \$1.00

SHELL OR SOUP BEANS

These are grown to use as dried beans during the winter, for baking and making soup. Plant in May and June, using 30 to 60 pounds to the acre. Plant in 3-foot rows and cultivate well. One pound drills 150 to 200 feet of row.

62—GREAT NORTHERN BEANS (Pole)—Well suited to heavy soils. Beans slightly larger than the Navy Bean; snow white and of splendid cooking quality.

63—RED KIDNEY BEANS (Bush)—Pods 6 inches long, filled with large, kidney-shaped red beans of the richest flavor.

61—WHITE NAVY (Bush)—An improved strain, more resistant to disease, more vigorous and a better producer. The bean that made "Pork and Beans" famous.

81—PINTO BEANS (Bush)—Probably best adapted soup bean for the South. Grown extensively for dry shell beans for winter use. Plant these and save on your grocery bill.

Price Either Variety—Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 5 lbs., \$1.00

EVERY GARDENER SHOULD KNOW—That Garden Peas and Beans belong to the Legume family and when inoculated, they will grow off better, are most resistant to drouth and give a larger yield. Few soils contain a natural supply of these beneficial organisms. It is therefore necessary to "inoculate"—apply these nitrogen-gathering bacteria directly to the seed before planting. All agriculturists recommend inoculation.

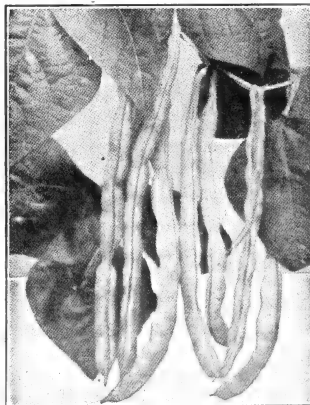
Garden size inoculation, sufficient for four to six pounds of seed—Each 10c, post paid. Market size inoculation, sufficient for fifteen pounds of seed—Each, 25c; post paid.



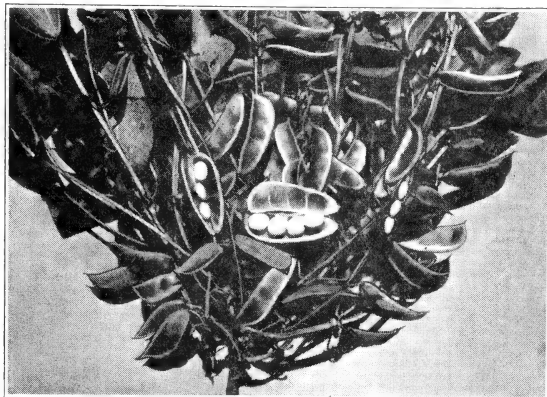
Ideal Market



Kentucky Wonder



White Kentucky Wonder

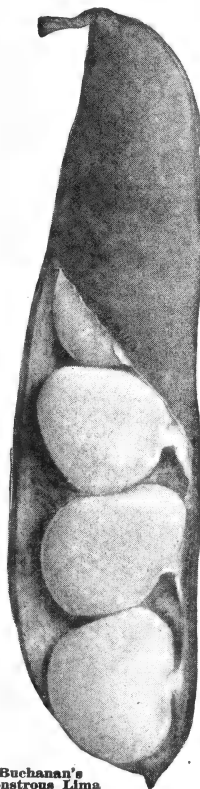


Baby Potato Lima Bean

BEAN COLLECTION

Contains $\frac{1}{4}$ lb. of the following four varieties:
 Burpee Stringless.
 Kentucky Wonder.
 Henderson Bush.
 Carolina or Sieva.

Value 80c. Post paid for 60c



Buchanan's Monstrous Lima

BUSH LIMA or BUTTER BEANS

CULTURE—Found will plant 200 feet. Bush Limas require the same cultivation as Pole Limas, except that the rows should be 2 feet apart and 6 to 12 inches of space between each plant.
FIELD PLANTING—In rows $2\frac{1}{2}$ feet apart and 6 inches apart in rows; about 60 pounds to the acre.

Prices Post Paid. Quantity Prices—See Yellow Price List

50—BABY POTATO BUSH LIMA BEAN—(70 days)—Silver Medal Winner 1939. Twelve to 16 inches high, or like a very sturdy Henderson Bush Lima Bean in growth. It is early and prolific, and here at last is a small, thick-seeded butter bean with a most delicious flavor. This new Baby Potato Lima has proven itself a certain producer in our Southern climate. Pods are large for a Baby Lima, seeds are an attractive bright green in its green or eating stage and creamy white when dry. The variety is adapted for produce markets, canning and quick freezing, as well as home gardens.
 Pkt., $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 2 lbs., 65c; 5 lbs., \$1.25.

49—HENDERSON'S BUSH LIMA—(65 days)—Our special strain has been bred particularly for uniformity in development of green shelled beans. Plant dark green, erect, bushy, very early. Pods flat, containing 3 to 4 beans. Green beans flat, small, and with that tasty canning and quick freezing, as well as home gardens.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 5 lbs., \$1.00

freshness so much sought in green vegetables. Dry beans creamy white; unexcelled for canning and local market.

46—JACKSON WONDER BUSH LIMA (or Florida Speckled Bush Butter Bean)—(65 days)—Originated in the South where many gardeners prefer it to other bush limas since it has proven more drought resistant and bears heavily over a long period. This is a sure cropper and a rich, distinctly flavored bean.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 5 lbs., \$1.00

48—FORDHOOK BUSH LIMA—(75 days)—The bush is erect, holding the pods off the ground, so that they are not injured by wind or rain. This bean is famed for its distinct large size and appealing flavor. The pods, which are produced in clusters, each contain 4 or 5 large, fat beans of exceptionally fine quality.

Pkt., $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 2 lbs., 65c; 5 lbs., \$1.25

POLE LIMA or BUTTER BEANS

CULTURE—Lima Beans are not as hardy as Snap Beans and should not be planted before the ground is warm and frost is over. For the tall varieties, set 8- to 8-foot poles firmly in the center of the hills 3 feet apart in 4-foot rows before the seeds are planted. Cover the beans $1\frac{1}{2}$ inches deep; cultivate only when the vines are dry. One pound of the large seeded varieties plants about 70 hills; 60 pounds to the acre. One pound of the small seeded varieties plants about 150 hills; 30 pounds to the acre.

78—CAROLINA SIEVA OR SMALL LIMA—(77 days)—Grown extensively in the South where it is known as "Butter Bean." The plants are vigorous, productive, and bear very early. A continuous bearer, furnishing the most tender and delicious beans, and is very drought resistant. The most popular pole butter bean for the South.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 5 lbs., \$1.00

79—FLORIDA SPECKLED BUTTER BEANS (Calico Lima)—(80 days)—This true pole lima is more certain to set pods under adverse conditions and bears profusely all through the season. It is more resistant to drought than any other lima bean. The beans are medium size, beautifully blotched dark red, which is not apparent in the early green stage. A very desirable green and dried bean.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 5 lbs., \$1.00

80—BUCHANAN'S MONSTROUS OR LARGE WHITE LIMA—(88 days)—The pods are very large, often 6 inches long, and containing green beans of the most excellent quality. Fine flavored and nutritious when dried. The vigorous vines yield heavier than any other large lima.

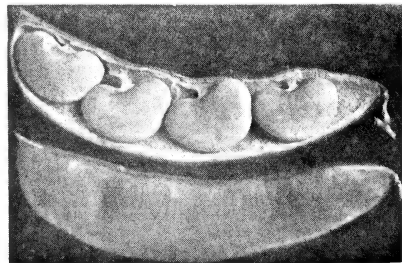
Pkt., $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 2 lbs., 65c; 5 lbs., \$1.25

77—LARGE SPECKLED OR CHRISTMAS LIMA—(90 days)—So named because of its unusual and beautiful color contrast. The very large beans are greenish white with vivid, narrow red stripes; flavor rich and delicious either green or dried. The newest introduction to the large lima bean family. Vigorous and productive.

Pkt., 15c; $\frac{1}{2}$ lb., 30c; 1 lb., 45c; 2 lbs., 70c; 5 lbs., \$1.35

DUTOX or CRYOLITE

For control of Mexican Bean Beetle and many other chewing insects. For control of Mexican Bean Beetle, dust should be deposited on under side of leaves; for most other leaf-eating insects, dusting on top of leaves is sufficient.



Carolina or Small Lima



GARDEN BEETS

For the earliest beets, plant in a hot bed and transplant. For early outdoor crop, plant in March and make successive plantings till the end of August; the late plantings are to make beets for winter use and the seeds should be well soaked before planting. Beets thrive best in a light, clean, deeply worked soil that has been previously well manured; smooth roots cannot be had if fresh manure is used. Plant in rows 16 to 20 inches apart, cover 1 inch and thin to 4 inches apart. One ounce will plant 50 feet of row, 8 to 10 pounds, 1 acre.

All Prices on This Page Post Paid

Quantity Prices—Not Prepaid—See Yellow Price List Enclosed

17—BUCHANAN'S MARKET GARDENER BEET (48 days)—Our gardener's favorite, owing to its earliness and uniformity in both shape and color. It is without a doubt the best beet for the home garden, or for canning. The tops are small and upright in growth. The leaves are dark green, shaded red. The roots are medium size, globular, very smooth and of dark blood red color, while the flesh is a deep vermilion red, zoned with lighter shade. It is unsurpassed in quality. **Pkt., 5c; oz., 20c; ¼ lb., 55c; ½ lb., \$1.00; 1 lb., \$1.85; 2 lbs., \$3.50**

24—CROSBY'S EGYPTIAN (48 days)—We recommend Crosby's Egyptian as a combination of earliness, good shape, good color and good quality. The color is bright red, with bright vermilion-red flesh, very sweet and tender. A standard early variety, very popular with market gardeners, as the tops bunch well and it makes a good appearance with dark red, turnip shaped roots. **Pkt., 5c; oz., 20c; ¼ lb., 55c; ½ lb., 95c; 1 lb., \$1.75; 2 lbs., \$3.30**

18—EARLY WONDER (45 days)—If earliness is desired, you have it in Early Wonder, but you have most excellent quality as well. It is of the blood turnip type, uniform in size, shape and color, always smooth, never stringy, and a good keeper. The flesh is a deep rich red, sweet, crisp and tender. Although bred primarily for market growers, its many fine qualities commend it highly to the home gardener.

Pkt., 5c; oz., 20c; ¼ lb., 55c; ½ lb., \$1.00; 1 lb., \$1.85; 2 lbs., \$3.50

19—BUCHANAN'S CRIMSON GLOBE (50 days)—A rich, deep crimson beet of perfect globe shape, smooth and clean. Matures early, is of a most attractive appearance, and in quality is not surpassed by any other variety. We recommend it not only for market gardeners and truckers, but for the home garden as well.

Pkt., 5c; oz., 20c; ¼ lb., 55c; ½ lb., \$1.00; 1 lb., \$1.85; 2 lbs., \$3.50

21—EARLY BLOOD TURNIP (50 days)—An extra selected, smooth, dark red beet of uniform size and first-class quality. One of the best for main crop, also for sowing in May or June to make the late beets for storing for winter.

Pkt., 5c; oz., 20c; ¼ lb., 55c; ½ lb., 95c; 1 lb., \$1.75; 2 lbs., \$3.30

23—DETROIT DARK RED (50 days)—A beet you will like, whether you grow it for home use or market. Almost globe shaped with small tops and taproot skin, very smooth and of dark blood-red color. Flesh maroon red without light rings, free of fibre, tender, sweet and superb quality at all stages of growth. A good beet for both early and late planting.

Pkt., 5c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.10; 1 lb., \$2.00; 2 lbs., \$3.90

26—SWISS CHARD (Spinach Beet or Sea Kale) (40 days)—A real cut-and-come-again salad, for after cutting outer leaves it quickly makes a new growth from the center. The leaf is boiled like spinach or turnip greens. Since it produces so abundantly during hot, dry summer months it is often planted for chickens.

Pkt., 5c; oz., 15c; ¼ lb., 45c; ½ lb., 70c; 1 lb., \$1.25; 2 lbs., \$2.30

STOCK BEETS OR MANGELS

CULTURE—Plantings should be made beginning at corn planting time till the middle of June, soaking the seeds for 24 hours before planting. Make the rows 2 to 2½ feet apart, the drills 1 inch deep on lands that have plenty of moisture in the subsoil; on dry and sandy soil they should be planted deeper. Thin out to stand 8 inches apart in the row; young plants may be transplanted to fill up vacancies. One ounce will sow 75 feet of drill; 6 pounds to acre.

28—GIANT HALF SUGAR MANGEL (90 days)—Produces not only a very large crop, much easier to harvest than other sorts, but also has a higher nutritive value, being especially rich in sugar. This excellent, heavy yielding variety makes dairy cattle produce more milk and beef cattle gain weight more rapidly.

Pkt., 5c; oz., 10c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c; 2 lbs., \$1.60; 5 lbs., \$3.50

30—MAMMOTH PRIZE LONG RED (110 days)—No other mangel can compare with this variety in yield. Crops of 30 to 40 tons per acre have been made on good land and under proper cultivation. The roots often weigh 20 to 25 pounds each. It grows well above ground; is easily pulled; the long red roots are straight, well-formed and solid. A fine keeper and, at a low cost, will supply an abundance of succulent green food for stock of all kinds and for poultry. Especially adapted to deep soils.

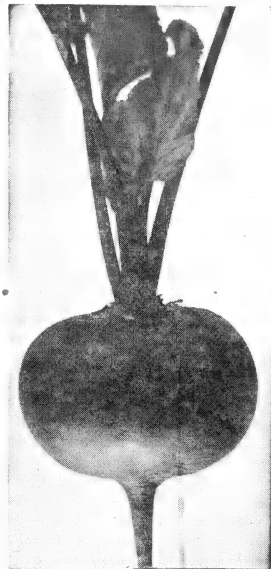
Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 60c; 1 lb., \$1.00; 2 lbs., \$1.90; 5 lbs., \$4.50

CAULIFLOWER

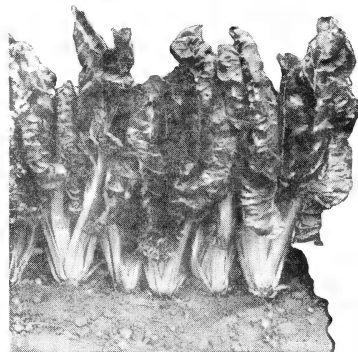
CULTURE—Cultivate like cabbage. Sow in January or February for early crop; May or June for late. Transplant to rich, moist soil; manure heavily and water freely. When heading begins, fasten leaves over top of head to whiten; 1 ounce of seed makes 1,000 plants.

109—EXTRA EARLY SNOWBALL (55 days)—There is no better cauliflower for Southern growers, and our strain is as fine as can be had at any price. It is not only the earliest to head, but a remarkably sure header, making large, solid, perfect pure white heads of the finest quality.

Pkt., 35c; ¼ oz., 90c; ½ oz., \$1.60; 1 oz., \$3.00



Market Gardener Beet



Swiss Chard



Long Red Stock Beets



CARROTS

Plant in a light, rich, deeply-worked soil as early as you can work the ground, in drills 12 inches apart; make the drills $\frac{1}{2}$ inch deep; press the soil firmly after planting and when well up, thin out to 3 or 4 inches apart in the row. For field culture, make the drills 18 to 24 inches apart; later plantings should be made in July and August for a late crop to store for winter. To store for winter, pack in dry earth or sand in the cellar or put them outside on a well-drained situation, covering with a few inches of straw and 6 to 8 inches of earth to protect from frost. One ounce will plant 100 feet of drill; 3 to 4 pounds to the acre.

All Prices on This Page Post Paid
Quantity Prices—Not Prepaid—See Yellow Price List Enclosed

103—OXHEART (72 days)—One of the heaviest yielders and the best for stiff and heavy soils where the long varieties would fail. The roots are often 3 to 3½ inches thick at the top; nearly oval in shape; the flesh is bright orange, fine grained and sweet. Free from hard core. Of the finest table qualities.

Pkt., 10c; oz., 30c; 2 ozs., 50c; ¼ lb., 95c; ½ lb., \$1.75; lb., \$3.30; 2 lbs., \$6.40

104—EARLY SCARLET HORN (63 days)—Not only the earliest variety on our list, but the earliest real good carrot. The roots are from 3 to 3½ inches long, 1½ inches thick at the shoulder, tapering to 1 inch at the bottom. It has scarcely any core, is fine grained and sweet flavored. Color, bright orange scarlet. Has small tops.

Pkt., 10c; oz., 25c; 2 ozs., 45c; ¼ lb., 80c; ½ lb., \$1.50; lb., \$2.90; 2 lbs., \$5.60

105—DANVERS HALF-LONG (75 days)—This handsome, half-long, orange carrot is adaptable to all soils. Its roots are smooth and longer than the Chantenay; the tops are medium size. The mature roots are 6 to 7 inches long, tapering uniformly to a blunt end. Its flesh is a deep, rich orange color, tender, sweet and crisp. It outyields any other variety.

Pkt., 10c; oz., 30c; 2 ozs., 50c; ¼ lb., 95c; ½ lb., \$1.75; lb., \$3.30; 2 lbs., \$6.40

106—LONG ORANGE (88 days)—Especially fine on light soils, making long, smooth, tapering roots of a deep orange color, free from side roots and a good all-purpose carrot. A fine winter sort for table, market and stock.

Pkt., 10c; oz., 30c; 2 ozs., 50c; ¼ lb., 95c; ½ lb., \$1.75; lb., \$3.30; 2 lbs., \$6.40

108—CHANTENAY (72 days)—Very popular because of its beautiful appearance and excellent table quality. Its length will average 5½ inches; its color is a rich, bright orange-red. The roots are the half-long type, smooth, free from side rootlets, and unusually uniform. The crisp, tender and fine flavor makes it very desirable. A splendid carrot for home garden, local market and distant shipping.

Pkt., 10c; oz., 30c; 2 ozs., 50c; ¼ lb., 95c; ½ lb., \$1.75; lb., \$3.30; 2 lbs., \$6.40

107—LARGE YELLOW BELGIAN CARROT, FOR STOCK FEED ONLY (90 to 100 days)—The value of root crops for stock is just beginning to be appreciated in the South. One of the most valuable is the Belgian Carrot, an immense cropper. In the Central South they should be stored for the winter, while in the Lower South they can be left in the ground all winter.

Pkt., 10c; oz., 25c; 2 ozs., 45c; ¼ lb., 80c; ½ lb., \$1.50; lb., \$3.30; 2 lbs., \$5.60



Chantenay
Carrot

CELERY

CULTURE—Sow in beds in February or March and keep them well watered. Transplant to moist, rich soil; 8 inches apart in 20-inch rows. Earth up two or three times. Cover with straw for protection from severe weather. One ounce of seed produces 4,000 plants.

121—IMPROVED WHITE PLUME (112 days)—Earliest and easily blanched to a snow white. Stalks tender, crisp and free of fibre.

122—GOLDEN SELF BLANCHING (118 days)—Plants medium in height, stocky and compact which blanch readily. Stalk and heart are crisp, solid, quite stringless and of excellent flavor.

Price, either variety—Pkt., 5c; ½ oz., 20c; oz., 35c; 2 ozs., 60c; ¼ lb., \$1.00; ½ lb., \$1.80; lb., \$3.25.

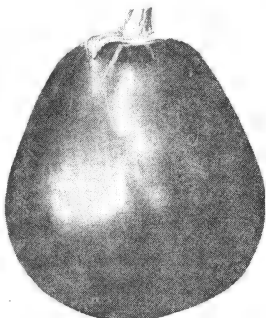
EGG PLANT

CULTURE—Sow in hotbed in February or March. When 4 inches high, transplant after danger of frost to 3-foot rows in deep, rich loam. One ounce of seed will produce 1,000 plants.

183—BLACK BEAUTY (81 days)—The lustrous, purplish-black fruits, which are tender and tasty are set freely on the plant. Holds color and firmness well after picking. A continuous and consistent bearer.

182—NEW HAMPSHIRE HYBRID (70 days)—All America Silver Medal Winner. Superb new extra early, vigorous and prolific variety for home gardens and market. Plants rather small with heavy crops of medium size, pear-shaped, excellent quality purple fruit.

Prices both egg plants—Pkt., 5c; ½ oz., 20c; oz., 35c; 2 ozs., 60c; ¼ lb., \$1.00; ½ lb., \$1.75; lb., \$3.25.



Black Beauty Egg Plant

SOUTHERN COLLARDS

An old-time standby for winter greens all over the South. Not in its best condition until touched by frost. Seed can be sown here from early spring up to August 1st. When plants are 6 inches high transplant to open ground, setting 2 feet apart. Cultivate like cabbage. One ounce of seed sows 200 feet of row, or makes about 1,000 plants.

127—GEORGIA WHITE CABBAGE (48 days)—Produces large, loose headed cabbage-like plants, the leaves of which make excellent greens. Very hardy and grows on poorer soil than cabbage.

Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 60c

126—SOUTHERN OR BLUE STEM (50 days)—Has short stem, large spreading leaves and is very hardy, withstanding drought and cold. Flavor is improved after frost.

Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 55c

MISCELLANEOUS SEED

5—ASPAGUS, MARY WASHINGTON—Rust resistant, giant size, highest yielding, most tender.

Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 90c

9—BROCCOLI, GREEN SPROUTING (90 days)—Head is a compact cluster of bluish green flower buds used unblanched.

Pkt., 5c; ½ oz., 15c; oz., 25c; 2 ozs., 45c; ¼ lb., 85c

8—BRUSSELS SPROUTS (125 days)—Small shoots, like miniature cabbages clustered around a stem, are the edible part of this unique vegetable, delicious, delicate cabbage flavor.

Pkt., 5c; ½ oz., 20c; oz., 30c; 2 ozs., 50c; ¼ lb., 90c

119—WITLOOF-CHICORY, OR FRENCH ENDIVE (75 days)—Witloof is used principally as a winter salad, and is most delicious served with French dressing and eaten like lettuce.

Pkt., 10c; ½ oz., 35c; 1 oz., 65c; 2 oz., \$1.15

	Pkt.	Oz.	¼ lb.
175—ENDIVE—GREEN CURLED (95 days)	5c	15c	.35
176—ENDIVE—BROAD LEAVED (95 days)	5c	15c	.35
178—KOHL-RABI—WHITE VIENNA	5c	25c	.85
180—LEEK—AMERICAN FLAG (80 days)	10c	40c	1.35



CABBAGE SEED

CULTURE—When started in hot-beds, sow thinly broadcast, covering seed about $\frac{1}{4}$ inch. When 4 to 6 inches high, transplant. Give frequent cultivation, drawing the earth to the plants at each working. Set the early varieties at intervals of 18 inches in rows $2\frac{1}{2}$ feet apart; the larger and later sorts, 2 feet apart in 3-foot rows. Cabbage should be grown rapidly. It is a heavy feeder, and a rich well-prepared soil will produce the best crop. The maturity dates indicated are the average number of days required to produce heads ready for market from the time the young plants are set in the field. An ounce of seed will produce at least 1,000 strong plants; one pound is sufficient to sow an acre.

All Cabbage Prices Post Paid. All 10c Items 3 for 25c
Quantity Prices—Not Prepaid—See Yellow Price List Enclosed

EARLY VARIETIES

86—EARLY JERSEY WAKEFIELD (62 days)—Extremely early variety, very valuable for home and market garden as well as for shipment. Plants small and compact, allowing very close planting; stem short. Heads conical, usually 7 in. long, 5 in. thick near base; firm and weigh 2-3 lbs.

Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; 2 ozs., 35c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., 90c; 1 lb., \$1.60.

87—CHARLESTON OR LARGE WAKEFIELD (71 days)—Desirable for home and market garden. Head broad, heart-shaped, 8 in. long, 7 in. broad at base, firm, commonly 4-5 lbs. A heavy yielding extremely hardy cabbage adapted to early fall planting for winter use and for early spring planting. A good shipper and market gardener variety.

Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; 2 ozs., 35c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., 90c; 1 lb., \$1.60.

94—COPENHAGEN MARKET (66 days)—Dependably early and uniform. Splendid for home garden and shipment, proving valuable as early kraut variety. Plant small, compact, allowing very close planting; stem short; heads uniformly round; firm, 6-7 in. diameter and weigh $3\frac{1}{2}$ -4 lbs. Interior clear white and of excellent quality. Its earliness and fine size and shape of head have made it the popular market gardener's favorite.

Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; 2 ozs., 55c; $\frac{1}{4}$ lb., 95c; $\frac{1}{2}$ lb., \$1.65; 1 lb., \$3.00.

84—GOLDEN ACRE (62-64 days)—The earliest round headed cabbage; especially valuable for early market and shipping. Plants very small and compact; stem short; heads uniformly round with few outer leaves, firm, commonly 6 in. in diameter and weighs 3 lbs.

Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; 2 ozs., 60c; $\frac{1}{4}$ lb., \$1.00; $\frac{1}{2}$ lb., \$1.80; 1 lb., \$3.30.

SECOND EARLY AND LATE VARIETIES

99—EARLY DRUMHEAD (85 days)—Produces large, firm, broad, flat heads, fine grained and sweet. Heads weigh 7 to 9 lbs. It is ready for marketing two or three weeks earlier than the Late Drumhead.

101—EARLY DWARF FLAT DUTCH (90 days)—Splendid for home, local market and long distance shipping. Plant medium size, vigorous, with very large, solid flat heads, weighing 10 to 12 lbs. Remain crisp and tender long after mature. The most desirable large, early cabbage.

85—ALL SEASONS (90 days)—Splendid general purpose cabbage; good winter keeper; widely used for kraut; remarkably thrifty in hot, dry weather. Heads large; commonly 8-10 in. across, 7 in. deep and weigh 8-9 lbs. of splendid quality.

91—SUCCESSION (87 days)—Very dependable for late summer and fall use; good keeper. Plants large but compact; stem short. Heads large and flat but deep; 8-10 in. across, 7-8 in. deep and weigh 8-9 lbs.

93—LATE FLAT DUTCH (105 days)—The best very large, late cabbage; popular for home and market garden and for fall shipment; a good keeper. Heads very large, flat and solid, 10 to 11 in. across, 7 in. deep and weigh 11 to 12 lbs.; firm and of good quality.

92—LARGE LATE DRUMHEAD (110 days)—This is a very hardy and desirable fall and winter cabbage. Heads large, flat and solid, remaining in perfect condition throughout the summer.

100—DRUMHEAD SAVOY (90 days)—(Winter Cabbage)—Very popular because of its tasty flavor. The deep green, crinkled outer leaves enclose the tender, light green heart. Plant this cabbage in the fall and it will provide the perfect green vegetable for your winter garden.

Price—Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 30c; 2 oz., 50c; $\frac{1}{4}$ lb., 85c; $\frac{1}{2}$ lb., \$1.50; 1 lb., \$2.80.

83—CELERY CABBAGE (70 days)—Chinese or Chihli. A most unusual mildly flavored cabbage producing long firm heads. Cut up like cabbage and served with mayonnaise or French dressing. It makes a splendid cole-slaw. Can be boiled like cabbage if cooked quickly, but is without the strong flavor. The hearts blanch to a crystalline white; whiter than lettuce and more beautiful than cabbage. Plant and cultivate like any other cabbage.

Prices—All Second Early and Late Cabbage except where otherwise priced—Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; 2 ozs., 35c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., 90c; 1 lb., \$1.60.



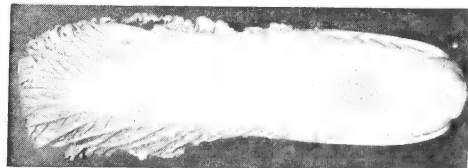
Early Jersey Wakefield



Copenhagen Market



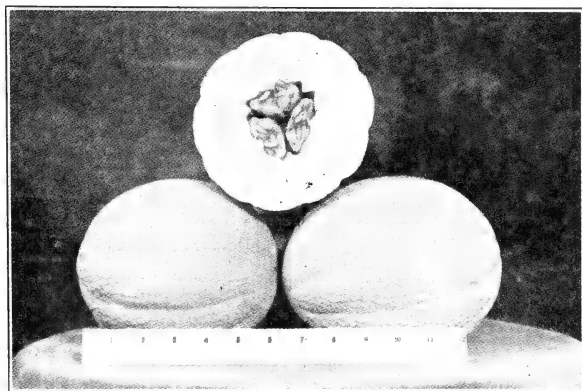
Early Flat Dutch



Chinese Chihli or Celery Cabbage

**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS**

BUCHANAN'S CANTALOUPE



Queen of Colorado

CULTURE—Melons thrive best in light, rich soil. Plant just as soon as the ground is warm, in hills 4 to 6 feet apart, according to the variety; in each hill apply a shovelful of well-rotted manure, or a handful of commercial fertilizer, well mixed with the soil. Plant about 3 seeds to each hill, covering with about 1 inch of fine soil firmly pressed down. As plants develop cultivate well. Gradually thin out to two plants to the hill. When the vines begin to run freely, stop cultivation, except after a heavy rain. Melon vines are subject to the same destructive insects and fungus foes as are cucumber and squash vines. See pages devoted to our assortment of insecticides. Use a packet to about 15 hills; 1 ounce to 50 hills; 2 to 3 pounds to the acre. **HOTKAPS** will protect your early planting from cold or injury.

All Prices on This Page Post Paid.

All 15c Items 3 for 35c

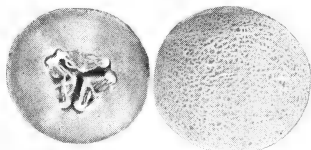
Quantity Prices—Not Prepaid

See Yellow Price List Enclosed

TREAT CANTALOUPE SEED WITH SEMESAN

You will get better and quicker germination and healthier plants. Healthy plants grow faster, therefore mature earlier, thus enabling growers to take advantage of higher pre-season prices. Easy to apply.

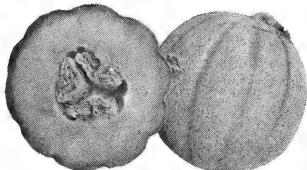
1/3 oz. (treats 5 lbs. seed), 12c; 2 ozs., 40c



Hale's Best

210—QUEEN OF COLORADO OR PRIDE OF WISCONSIN (85 days)—Oval in shape with tough, heavily netted rind with faint ribs. The flesh color is totally unlike other cantaloupes, being a deep, sparkling, golden orange. The seed cavity is small and closely packed. The flesh is thick, juicy and sweet, edible almost to the rind, and has no superior in eating qualities. Size 6 by 6½ inches, weight 5 pounds. It is the finest cantaloupe for both shipping and for home gardening yet introduced and won Honorable Mention in the All-American Selections in 1939.

Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.00; 5 lbs., \$4.50



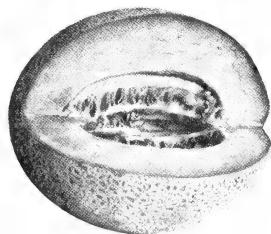
Hearts of Gold

220—HALE'S BEST No. 45 (80 days), Mildew Resistant—This medium size, slightly oblong, mildew resistant melon approaches perfection in its class. Its outstanding advantages are its very heavy cropping even in the hottest, driest season and it almost never shows spoilage in the field even when quite ripe. It also may be vine-ripened and still shipped long distances, holding its prime condition over a long period. The seed cavity is small and tightly packed with seed. The salmon-orange flesh is firm but not tough or stringy, and has a sweet, luscious, melting and superb flavor.

Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.00; 5 lbs., \$4.50

226—HONEY DEW MELON (100 days)—This melon is unlike the ordinary muskmelon or cantaloupe, both in appearance and flavor, the outer skin being smooth, hard and nearly white. The melons are large, round to oval in shape, extremely thick-meated and have a very small seed cavity; flesh is light green, very solid and of a rich honey-like flavor, luscious and juicy, much more so than any variety of muskmelons.

Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.00; 5 lbs., \$4.50



Rocky Ford

218—IMPROVED HEARTS OF GOLD (95 days)—The Improved Hearts of Gold has been developed by careful selection and this new strain is a most desirable melon for shipping as well as general purposes. The fruit is well netted except a narrow stripe between shallow ribs; very firm with deep golden flesh and of the finest quality.

Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.00; 5 lbs., \$4.50

219—ROCKY FORD (92 days)—The Improved Rust Resistant Strain continues to be a leader in its class. It has enjoyed wide use for many years and is well known everywhere that melons are produced. It is popular chiefly because of its extraordinary flavor. The spicy flavor of the green-fleshed Rocky Ford is difficult to improve upon.

Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.00; 5 lbs., \$4.50

214—BANANA (100 days)—Shaped somewhat as name indicates; grows about 2 feet long; flesh deep salmon colored and of a delicious banana-like flavor.

Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 65c; 1 lb., \$1.10; 5 lbs., \$5.00

DUTOX WILL CONTROL STRIPED AND SPOTTED CUCUMBER BEETLE AND PICKLE WORM ON CANTALOUPE

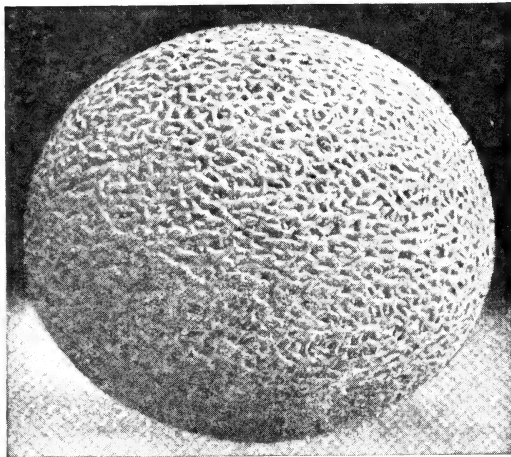
Use from 2 to 6 pounds of Dutox per acre for dusting Cantaloupes. For control of striped and spotted beetles, dusting should be begun as soon as plants are up, and applied every 10 days as long as the insects continue to come. For control of the pickle worm, which bores into the cantaloupe, begin dusting when the first melons form and apply Dutox every 10 days until most of the crop is harvested. In all cases dust the plant thoroughly and evenly, especially the under side of leaves, with Dutox. Light, frequent applications are generally more effective than heavy, infrequent applications.

**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS**

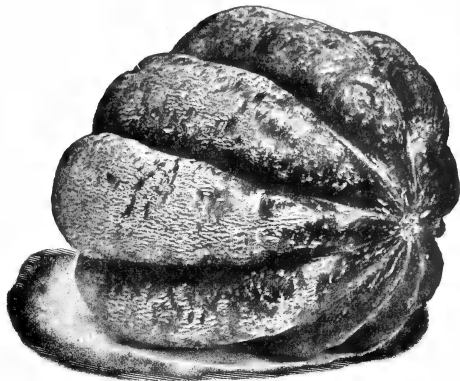
BUCHANAN'S CANTALOUPE

209—GOLD LINED ROCKY FORD (92 days)—Our type of improved Rocky Ford is the finest gold lined strain and if you are growing for home use or nearby markets you will find this melon especially satisfactory. The flesh is thick and solid with a deep gold lining next to the seed cavity, shading to light green toward the rind. For sweetness and spiciness this popular variety is unexcelled.

Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 45c; ½ lb., 70c; 1 lb., \$1.20; 5 lbs., \$5.50.



Gold Lined Rocky Ford



Buck Brand (Surprise)

222—BUCK BRAND (Surprise) (85 days)—The nearest thing to the old-fashioned muskmelon that you can get. Fruit slightly oblong, with a very thin, nearly smooth gray-green skin, distinctly ribbed; flesh thick and of deep salmon color. For flavor and size combined this is the king of all melons. Too large to be profitable except for local market—they often weigh 10 to 12 pounds—they are ideal for home use; one melon is enough for a family. Continues bearing till cold weather and holds its splendid quality up to the very last.

Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 45c; ½ lb., 70c; 1 lb., \$1.20; 5 lbs., \$5.50.

HYBRID SUGAR CORNS

CULTURE—Same as other Garden Corn (see next page) except that it is planted 2 grains every 12 inches in fertile soil and thinned to 1 stalk per hill.

The varieties we quote have been thoroughly tested in experiment stations and have proven beyond doubt that they are better adapted in the Mid-South than any other hybrid Sugar Corns.

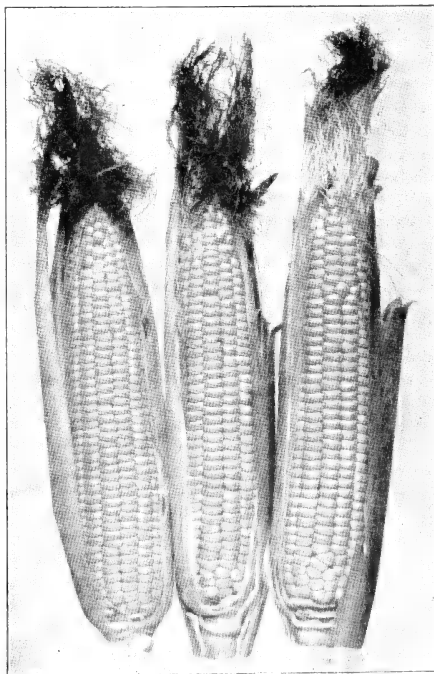
Hybrid Sugar Corns have proved bigger and more uniform yielders and of better quality than open pollinated types. The ears are better filled, of more even size and shape, and two good ears are usually borne to the stalk. In actual tests increased yields of from 10 to 100 per cent have been secured. This is because of better root growth, sturdier stalks and greater disease resistance. If you have been disappointed in Sugar Corn yields in the past be sure to plant Hybrid this year.

133—STOWELL'S EVERGREEN HYBRID (90 days)—Introduced in 1930. Received All-American Special Mention for 1934. Highly valuable to market gardeners, home gardens and canning. It makes an attractive ear of good size and fine quality; the grains are a lustrous pearly white, plump, juicy, sweet and tender. If you take pride in serving something that is really choice and that will attract immediate attention to its quality serve Stowell's Hybrid Evergreen Corn. Stalk sturdy with close growing upright ears, 4 feet from ground; foliage medium green. Ears very slightly tapered, uniform, with 16 to 18 rows. Kernels medium wide and deep.

Price—Pkt., ¼ lb., 15c; ½ lb., 30c; 1 lb., 50c; 2 lbs., 90c; 5 lbs., \$2.00

139—GOLDEN CROSS BANTAM HYBRID (85 days)—Introduced jointly by the United States Department of Agriculture and Purdue University Agricultural Experiment Station. It is replacing other main crop yellow varieties. Stalk sturdy, with exceptionally broad, vigorous leaves. Ears 10 to 14 rowed, slightly lighter yellow than Golden Bantam. Kernels medium in width and depth. This hybrid is extremely uniform in plant and ear characteristics and in maturity. If you want a yellow corn with a larger ear, that is more productive, and if you want the best and sweetest for your table, plant Hybrid Golden Cross Bantam. Its color is a glistening pale gold and its flavor is unequalled.

Price—Pkt., ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 70c; 5 lbs., \$1.45



Golden Cross Bantam Hybrid Sweet Corn

Use **HOTKAPS** to force plant growth, make healthier, hardier plants and to produce bigger crops from two to three weeks earlier.



CULTURE

The grains of sugar corn are shriveled and rather tender and cannot be planted until the ground is warm. Make hills 20 to 24 inches apart each way, dropping 5 or 6 grains in each hill, thinning out afterward to 2 or 3 stalks to the hill. A continuous supply can be kept by planting early, medium and late varieties at one time, or by making several plantings at intervals of 15 days. One pound to 200 hills; 10 pounds per acre.

136—ADAMS LARGE (White Sweet) (75 days)—One of the most popular roasting ear corns. Matures about 10 days later than the Extra Early Adams but the ears are larger and more desirable. The stalks are vigorous, averaging 7 feet in height, and well bladed. This and the Adams Extra Early are very hardy and can be planted earlier than sugar corns.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 70c

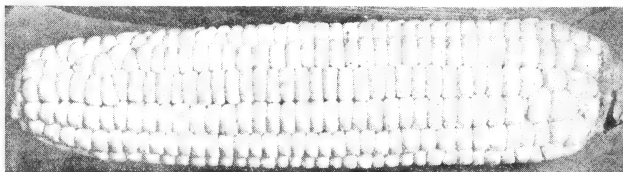
140—COUNTRY GENTLEMAN (White Sugar) (83 days)—One of the best known of the mid-season varieties. Kernels very deep, slender, sweet with tender hull and set irregularly without row formation. It is a good yielder, producing 2 to 3 good-sized ears to the stalk.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., 95c

GARDEN, SWEET AND SUGAR CORNS

All Prices on This Page Post Paid

Quantity Prices—Not Prepaid—See Yellow Price List Enclosed



Adams Early Sweet Corn

135—EXTRA EARLY ADAMS (White Sweet) (65 days)—Owing to its extreme earliness it is used for a first early table corn in the South. The stalks are about 5 feet high. The ears are short, very full, 12- to 14-rowed, tender and sweet, the ends well protected by long, close fitting shucks.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 85c.

141—EARLY SURPRISE (White) (75 days)—A wonderful roasting ear corn, especially bred for market gardeners' use; when planted at the same time as Large Adams it is ready for use just when the Large Adams is giving out; it is the best corn to use for successive plantings all through the season. This corn is slightly sweeter than field corn. Average height of stalk about 7 feet; the ear is thick, well grained to the end of the cob; rows of grain straight and uniform. When cut green for market the ears average from 8 to 10 inches in length. It is very productive, producing two good ears to the stalk. Also a splendid early maturing field corn.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 70c

134—GOLDEN BANTAM (Yellow Sugar) (80 days)—Very sweet and most delicious extra early corn for the home garden, and very productive. The stalks grow only 5 feet high and, where space is limited, the hills can be as close as 20 inches apart. Each stalk bears 2 or 3 well-filled ears, 6 to 7 inches in length. The kernels are of a beautiful yellow color, very milky, tender and sweet.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., 95c.

131—HONEY JUNE (White Sugar) (87 days)—A true Sugar Corn that will produce crops in the South where only field varieties could previously be grown. Stalks are tall and vigorous, somewhat later in maturing than other sweet corns, averaging 87 days from planting to roasting ear stage. Ears are large in size and have 14 to 16 rows. Grains are long, slender and white. Has one to two ears per stalk. Develops a heavy shuck which provides protection against ear worm damage.

Pkt., $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 2 lbs., 60c; 5 lbs., \$1.35.

138—STOWELL'S EVERGREEN (White Sugar) (85 days)—A standard main crop variety, much used for the home garden, market, and canning. It is hardy and productive, very tender and sugary, remaining a long time in condition suitable for boiling. The ears are about 9 inches long, 16- to 20-rowed, with very white grain. The stalks are about 7½ feet high.

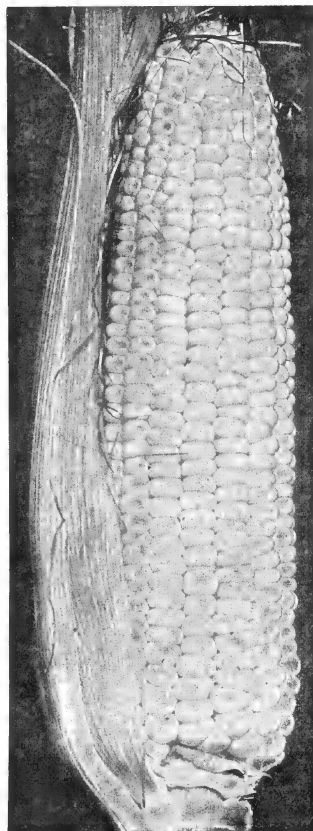
Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 90c.

137—TRUCKER'S FAVORITE (White Sweet) (75 days)—For a second early, to follow Early Adams, this is unquestionably one of the best; or for planting late to mature quickly it is equally valuable. It is a white corn, with good depth of grain, tender and sweet, and a most desirable size for roasting ears. Besides being a fine garden corn, it is a splendid field corn to follow potatoes and other early crops. The ears are medium size and well filled.

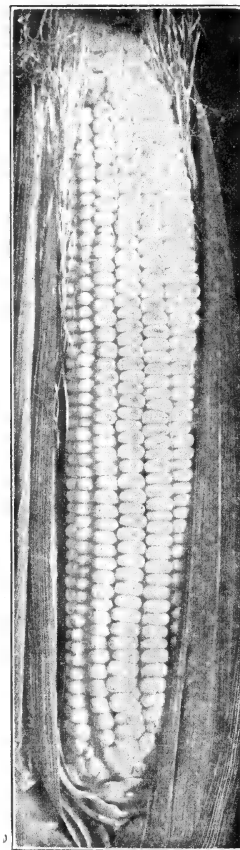
Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 35c; 5 lbs., 70c.

132—WHIPPEL'S EARLY YELLOW (Yellow Sugar) (84 days)—A medium early yellow Sugar Corn. Larger than Golden Bantam. Stalks grow 6 to 7 feet, and many produce two large ears. Kernels bright yellow, tender, sweet, and finest quality for table use. Probably the most popular commercial yellow Sugar Corn in the Mid-South.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 50c; 5 lbs., 95c.



Early Surprise



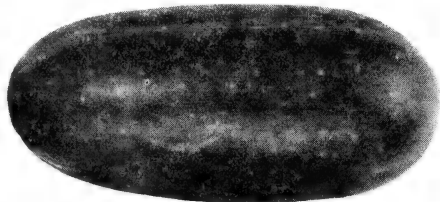
Trucker's Favorite



CUCUMBER SEEDS

CULTURE—One ounce will plant 50 hills; 1 to 2 pounds will plant 1 acre. Cucumbers succeed best in warm, rich, sandy loam, and should not be planted in open air until warm weather. Plant in hills about 4 feet apart each way, and when early insect injury is past, thin out the plants, leaving 3 or 4 of the strongest to each hill.

All Prices on This Page Post Paid. Quantity Prices—Not Prepaid—See Yellow List.



Early Green Cluster

163—EARLY GREEN CLUSTER (55 days)—A short, blunt, cylindrical pickling sort, does not taper at the ends, fruits borne close in on the vines in clusters. On account of its earliness, perfect shape and firmness, it is probably the most popular of the smaller pickling cucumbers. If kept gathered close it will continue to set fruit through a long season.

Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 60c; lb., \$1.00.

158—STRAIGHT 8 (60 days)—All American Selection, 1935—This outstanding variety produces symmetrical, cylindrical fruits about 8 inches in length and about 2¼ inches in diameter. The fruits are well rounded at the end and when ready for use are deep green and free from objectionable striping or tipping. Although its characteristics make it an ideal shipping variety, it is also equally desirable for the home or local market.

Pkt., 5c; oz., 20c; 2 ozs., 35c; ¼ lb., 50c; ½ lb., 85c; lb., \$1.50.

160—CHICAGO PICKLE (59 days)—Since introduced this 6 to 6½ inch pickling cucumber has been the most popular of the larger pickling varieties. It is extremely early and when fully developed is excellent for slicing. A very hardy, vigorous, prolific producer of uniform medium green fruits, blunt at both ends.

Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 60c; lb., \$1.00.

164—EARLY FORTUNE (64 days)—An especially fine, medium length White Spine Cucumber much planted in the South for shipment to the Northern markets. It has a fine, dark green color which it holds for a long time after picking. Fruits slightly tapering, flesh firm and crisp.

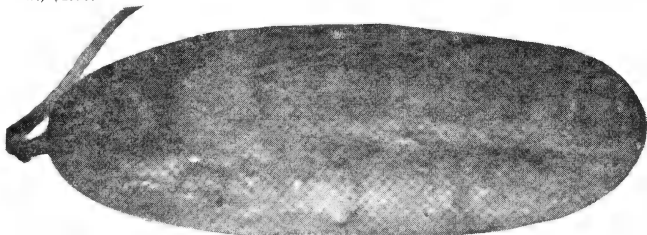
Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 65c; lb., \$1.10.

165—IMPROVED WHITE SPINE (60 days)—It is early, crisp and tender, excellent for slicing, pickles well when gathered young. For the home garden it is one of the best as it can be used for all purposes.

Pkt., 5c; oz., 20c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 60c; lb., \$1.00.

166—IMPROVED LONG GREEN (70 days)—The vines are vigorous and productive; the fruit (12 inches long) is formed almost as early as on the short sorts. The flesh is very firm and crisp and has a distinctive flavor; they make excellent medium large pickles, and when yellow and ripe the best sweet pickles. It enjoys the distinction of being the standard cucumber for home garden.

Pkt., 5c; oz., 20c; 2 ozs., 35c; ¼ lb., 55c; ½ lb., 95c; lb., \$1.70.



Improved Long Green



A & C

161—A & C CUCUMBER (65 days)—A very fine, dark green, slicing variety for home garden, that is also ideal for local gardeners and shippers. Vigorous grower, resistant to disease, and produces an abundance of uniformly slender cucumbers, 9 to 10 inches long, with deep green color which it retains well after harvesting. It is gently tapered at both ends; flesh crisp, firm and of superior eating quality with small seed area.

Pkt., 5c; oz., 20c; 2 ozs., 35c; ¼ lb., 55c; ½ lb., 90c; lb., \$1.65.

162—DAVIS PERFECT (65 days)—Fine length, slimmest, beautiful dark green color, transparent-like flesh with deliciously cool, refreshing flavor, and enjoyable crispness, are distinguishing features and qualities of this popular Long White Spine variety.

Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 60c; lb., \$1.00.

167—LEMON—Not only a novelty, but a very desirable cucumber because of its attractive, rich, lemon color, crispness and delightful flavor. In appearance it resembles a lemon, 3 inches long and 2½ inches wide. Excellent for pickling and enhances a salad to which it lends beautiful color and an appetizing flavor.

Pkt., 5c; oz., 20c; 2 ozs., 35c; ¼ lb., 55c; ½ lb., 95c; lb., \$1.70.

159—STAYS GREEN (60 days)—It is one of the earliest and most prolific white spine varieties for home or market. The extremely dark green color is retained well into the mature stage. It has rounded ends, with thick pearly white crisp flesh, which makes it ideal for slicing.

Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 65c; lb., \$1.10.



Stays Green

DUTOX WILL CONTROL STRIPED AND SPOTTED BEETLE AND PICKLE WORM ON CUCUMBERS

Use from 2 to 6 pounds of Dutox per acre for dusting cucumbers. For control of striped and spotted beetles, dusting should be begun as soon as plants are up and applied every 10 days as long as the insects continue to come. For control of the pickle worm, which bores into the cucumber, begin dusting when the first cucumbers form and apply Dutox every 10 days until most of the crop is harvested. In all cases dust the plant thoroughly and evenly, especially the under side of the leaves. See index.

KALE or BORECOLE

CULTURE—One ounce to 100 feet of row; 4 pounds to the acre. Kale is extensively grown in the South during the fall, winter and spring. Seed may be sown any time from August to October, and again during February and March, broadcast or in drills, 18 inches apart.

187—DWARF CURLED SIBERIAN (65 days)—A very vigorous and rapid growing variety producing an abundance of long large leaves beautifully curled, and frilled at the edges. Very hardy, enduring zero weather without protection. It is even more crisp and tender after subjected to severe weather. The most desirable greens to plant for mid-winter use. Certainly the best variety of Kale.

Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 30c; ½ lb., 50c; lb., 85c.

Cucumbers Are Subject to Pests and Disease. See Index About Insecticides for Spraying.



All Prices on This Page Post Paid. Quantity Prices—Not Prepaid—See Yellow List.

LETTUCE SEED



Imperial No. 847

203—IMPERIAL No. 847 (H) (80 days)—Well adapted to Southern conditions, producing excellent heads under higher temperature than ordinary heading varieties. Vigorous and resistant to disease. Heads medium large, well formed, compact, crumpled, well covered by inner leaves; exterior light green, interior white, crisp, tender and sweet.

205—NEW YORK No. 12 OR WONDERFUL—An Improved Early Strain (H) (75 days)—Immense heads, often 10 and 12 inches across, solid as a cabbage; blanches beautifully; crisp, tender; free from bitterness and with few outer leaves. Well adapted to the Mid-South, rooting deeply and resistant to the hot, dry weather.

196—BIG BOSTON (H) (76 days)—Plants are medium large, very hardy, vigorous and sure heading. Heads medium size, globe shaped, well formed, compact, crisp, tender with buttery-like golden yellow heart. An excellent variety for hot bed and cold frame forcing, and as an outdoor variety withstands much adverse weather.

CULTURE—Sow in rich, well prepared soil, as soon as cold winter is past, or start in beds or frames for transplanting in early spring 6 to 12 inches apart, in rows 18 to 20 inches apart. Cover seed $\frac{1}{2}$ inch in beds or outdoors. Seed germinates quickly and growth is best in cool weather. Good heads depend on good seed, keeping a steady growth with fertilization, moisture and cultivation. Light feeding, as with nitrate of soda, after plants have some size, is beneficial. Loose-leaf types may be thinned and used as they become crowded. Those marked "H" are heading; those marked "LL" are loose-leaf. Once plants 200 feet of row; use 3 pounds per acre or 1 pound for transplanting. Days given are average from seed to market size.

IMPERIAL 847 and NEW YORK No. 12—Pkt., 5c; $\frac{1}{4}$ oz., 10c; 1 oz., 15c; 2 oz., 25c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 65c; 1 lb., \$1.10.
ALL OTHER VARIETIES—Pkt., 5c; $\frac{1}{4}$ oz., 10c; 1 oz., 15c; 2 oz., 25c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 50c; 1 lb., 85c.

207—ICEBERG (H) (84 Days)—A large, late, crisp cabbage-heading variety; heads very firm, with the most delicious crisp, tender hearts blanched to a silvery white.

198—EARLY WHITE CABBAGE (H) (70 days)—A desirable variety for spring or fall. Excellent for home garden and early market, as it is quick growing and a sure header. Heads medium large, firm, golden yellow interior with delicate, buttery flavor.

195—WAYAHEAD LETTUCE (H) (63 days)—Shows a remarkable combination of earliness, firm heading character and fine quality. Both in cold frames early in spring and in the open ground in spring and early fall it has proven to be one of the best early heading varieties.

204—EARLY CURLED SIMPSON (L. L.) (50 days)—A leading early, loose heading variety of fairly large size; leaves form in a compact bunch, crumpled and frilled at the edges.

202—GRAND RAPIDS (L. L.) (45 days)—This is probably the earliest and best of the loose-leaved varieties. It forms no head, but produces an abundant crop of pale green leaves closely crumpled, which, even when old, retain their delicious characteristic sweetness and delicate tenderness.

201—CHICKEN LETTUCE (55 days)—Unlike any you have ever grown. Three to four feet high, loaded with leaves that may be pulled like kale. After cutting it keeps on growing. Will yield more chicken feed than any plant grown for greens.

MUSTARD SEED

CULTURE—One ounce will sow about 80 feet of drill. For early salad, sow rather thick in February, and at intervals through the spring and fall, in rows 12 inches apart, or in well prepared fertile beds.

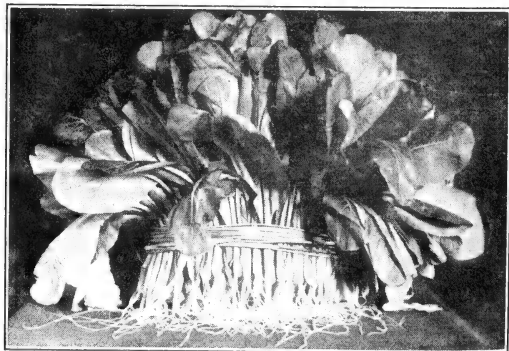
243-A—SOUTHERN GIANT CURLED (Long Standing) (30 days)—All America Gold Medal Winner 1935. Developed from the long used Southern Giant Curled. By careful selection this strain was developed, which will stand 15 to 20 days longer before going to seed. It is equal, or better in every respect, to the old type, and on account of its long standing characteristics has replaced the regular Southern Giant Curled. Plant large and upright in growth, leaves large, long, curled and fringed on the margin; bright medium light green in color. Especially desirable for spring planting.
Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; 1 lb., 85c; 5 lbs., \$3.50.

243—SOUTHERN GIANT CURLED (30 days)—Same as above except does not stand so long before going to seed.
Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 45c; 1 lb., 75c; 5 lbs., \$3.25.

244—ELEPHANT EAR (Smooth Leaf) (40 days)—This is a splendid variety for home use and local market, and will surely give satisfaction wherever planted. The leaves are smooth, very large, and tender and succulent.
Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 40c; 1 lb., 75c; 5 lbs., \$3.25.

245—NEW CHINESE (40 days)—A very vigorous sort; leaves light green, large, broad, slightly crumpled. Due to its smooth leaf and upright growth it is more easily prepared for the table.
Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; 1 lb., 85c; 5 lbs., \$3.50.

245-A—FLORIDA BROADLEAF (40 days)—Large, tall, upright growing plant with exceptionally large, thick, bright green leaves. Fast growing, very productive and tender.
Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 55c; 1 lb., 90c; 5 lbs., \$4.00.



Buchanan's Mustard-Spinach



All Prices on This Page Post Paid
Quantity Prices—See Yellow Price List Enclosed

OKRA or GUMBO

CULTURE—Planting should be delayed until after soil is warm. Sow thinly in rows 2½ feet apart, and cover seed about 1 inch deep. When established, thin plants to 12 to 15 inches apart, and cultivate thoroughly. Should be gathered every other day, otherwise the pods become too hard and the young plants discontinue bearing. One ounce will sow 100 feet of row.

251—CLEMSON SPINELESS (55 days)—All American Silver Medal Winner. An okra the commercial and home gardener have long wished for. A smooth podded, spineless strain of large green okra developed at Clemson College after many years of intensive breeding. Being absolutely free of spines there is no discomfort experienced in picking and preparing even large quantities. It is early, very prolific, uniform, of excellent quality and does not bruise easily. Should replace all other green varieties.

Pkt., 5c; 1 oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.60

249—WHITE VELVET (60 days)—Long popular throughout the South for home and local markets. Pods round, white and smooth. Prolific and bears throughout the summer.

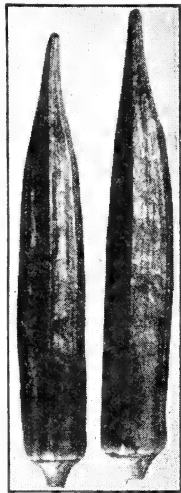
Pkt., 5c; 1 oz., 10c; ¼ lb., 15c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50

250—EARLY DWARF GREEN LONG POD (50 days)—Stalk rather dwarf, pods good size which begin to form early and bear freely; tender and of the best quality.

Pkt., 5c; 1 oz., 10c; ¼ lb., 15c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50

248—TALL OR LONG GREEN (56 days)—Pods dark green, very large and long. Yields heavily over a long period if pods are picked regularly; meaty and very tender.

Pkt., 5c; 1 oz., 10c; ¼ lb., 15c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.50



Clemson
Spineless Okra

247—WHITE LIGHTNING SPINELESS (50 days)—This new, early variety won the All-America Bronze Medal for 1939. An excellent development of the White Velvet type for the home garden and local market. It is an extra early, smooth and exceptionally long, tapering, round, white-podded okra bearing 7 to 10 days ahead of White Velvet. The meaty pods stay tender to much larger size than other varieties. This is the only White okra that is free of the undesirable and annoying spines.

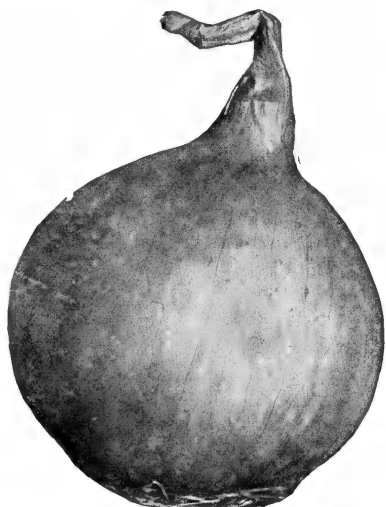
Pkt., 5c; 1 oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.60

ONION SEED

CULTURE—In February, March and April plant thickly ½ inch deep in hotbeds or plant outside later. When the size of a goose quill transplant 3 to 4 inches apart in 15- to 18-inch rows. Plantings may also be made where the onions are to grow, thinning out to stand 3 to 4 inches apart, but the transplanting method saves seed, at least two weedings, and gives larger yields.

ONION SETS

Prices Post Paid	1 Qt.	1 Gal.	Pk.
White	30	80	\$1.25
Red	30	80	1.25
Yellow	30	80	1.25
White Shallot	30	80	1.25



Mammoth Yellow Prizetaker Onion

262—WHITE BERMUDA CRYSTAL WAX (92 days from seed)—Early maturing, therefore, easily produced from seed. Bulbs flat, medium size, clear, waxy white; of mild, sweet flavor. Deserves its popularity.

Pkt., 10c; ½ oz., 25c; 1 oz., 45c; 2 ozs., 85c; ¼ lb., \$1.50; ½ lb., \$2.85; lb., \$5.50

278—YELLOW BERMUDA (92 days from seed)—Bulbs are a light straw-yellow color, medium sized, flat. Flesh is extremely mild and sweet. Try growing onions from seed. You will find they keep much better.

Pkt., 10c; ½ oz., 25c; 1 oz., 45c; 2 ozs., 85c; ¼ lb., \$1.50; ½ lb., \$2.85; lb., \$5.50

259—RED BERMUDA (93 days from seed)—Bulbs medium large, semi-flat, purplish red, fine grained, keeps better than other Bermudas.

Pkt., 10c; ½ oz., 25c; 1 oz., 45c; 2 ozs., 85c; ¼ lb., \$1.50; ½ lb., \$2.85; lb., \$5.50

257—YELLOW SWEET SPANISH—Large and distinctly globe shaped, with golden yellow skin; flesh white, mild, very sweet and of pleasing flavor, desirable for shipping and fall storage.

Pkt., 10c; ½ oz., 25c; 1 oz., 45c; 2 ozs., 85c; ¼ lb., \$1.50; ½ lb., \$2.85; 1 lb., \$5.50

258—YELLOW GLOBE DANVERS (112 days from seed)—Handsome, pale yellow globe onion, medium large; fleshwhite, fine flavor, mild; a good keeper.

Pkt., 10c; ½ oz., 25c; 1 oz., 45c; 2 ozs., 75c; ¼ lb., \$1.35; ½ lb., \$2.50; lb., \$4.75

263—PRIZETAKER (102 days from seed)—Bulbs large, globe shaped; straw colored skin thin and glossy. Flesh pure white and mild. Stores well. One of the best globe shaped onion for local market.

Pkt., 10c; ½ oz., 25c; 1 oz., 45c; 2 ozs., 85c; ¼ lb., \$1.50; ½ lb., \$2.85; lb., \$5.50

273—EBENEZER—(Japanese) (90 days from seed)—The onions are large, somewhat flattened, have attractive yellow skin and firm white flesh of delicate flavor. Keeps better than any other good quality onion.

Pkt., 10c; ½ oz., 25c; 1 oz., 45c; 2 ozs., 75c; ¼ lb., \$1.35; ½ lb., \$2.50; lb., \$4.75

PARSLEY

CULTURE—As the seed is slow to germinate, soak in water a few hours before planting. Sow in rows 12 inches apart, covering not more than ½ inch with fine soil firmly pressed down. When well up, thin to 4 to 6 inches apart in the rows. One ounce will sow 150 feet of row; 5 to 6 pounds, an acre. There are about 17,000 Parsley Seed in one ounce.

274—DOUBLE CURLED—Compact growth, leaves dark green, finely cut and frilled. Without a doubt the most attractive garnishing and widely used for flavoring soups and stews. A cut and come-again plant.

Pkt., 5c; 1 oz., 10c; 2 ozs., 15c; ¼ lb., 30c; ½ lb., 45c; lb., 70c

PARSNIPS

CULTURE—Sow early in rows 1½ to 2 feet apart; cover with ½ inch of soil. When well up, thin to 6 inches apart. Seed germinates slowly. Keep ground moist. One ounce will sow 100 feet of row; 3 to 5 pounds, an acre. There are about 2,000 Parsnip seed in one ounce.

280—SUGAR OR HOLLOW CROWN (100 days)—The standard variety, making long, smooth, white roots, uniform in shape, tender and well flavored.

Pkt., 5c; 1 oz., 15c; 2 ozs., 25c; ¼ lb., 45c; ½ lb., 75c; lb., \$1.35



Early Dwarf Green



BUCHANAN'S GARDEN PEAS

All Wrinkled Varieties Are Marked (*)

CULTURE—The pea endures cold well, either in or above the ground. It is best to sow the earliest varieties as soon as possible (February), wrinkled varieties should be planted later, in warm, light soil, prepared the previous autumn or winter. The main crop may be sown about two weeks later. Sow peas in drills about 2 to 3 inches deep in rows 2 1/2 to 3 feet apart. Pound sows 100 feet of drill, 75 pounds to an acre.

DWARF EARLY VARIETIES

284—ALASKA (50 days; height 28 inches) Fully Wilt Resistant.—Our stock noted for its pod size and productivity. Pods 3 inches, blunt, light green, plump; seed smooth, green, used for extra early planting for home or shipping. Of excellent flavor, and a favorite of the South.

1/4 lb., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 55c; 5 lbs., \$1.00; 10 lbs., \$1.80

283—LAXTONIAN* (55 days; height 18 inches)—A fine combination of earliness, productiveness and extra fine quality. Produces large dark green pods 4 1/2 inches long, containing 6 to 8 large, delicious peas.

1/4 lb., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.05; 10 lbs., \$1.90

297—LAXTON'S PROGRESS* (55 days; height 15 inches)—Largest podded and heaviest yielder of the extra early wrinkled peas. Pods 4 1/2 to 5 inches, are well filled with 7 to 9 sweet, luscious peas. For home use they have no superior. They retain their dark green color well for shipping or local market.

1/4 lb., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.05; 10 lbs., \$1.90

SECOND EARLY

295—THOMAS LAXTON* (60 days; height 2 1/2 feet)—Exceptionally fine wrinkled pea with dark green pods nearly 4 inches long that are packed with peas, often 7 to 8 to the pod. Quite hardy and very prolific. Flavor is pleasing and peas retain their tenderness. Unquestionably the best second early variety for professional growers, home use and freezing.

1/4 lb., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.05; 10 lbs., \$1.90

286—FIRST AND BEST OR JOHN L. (58 days; height 24 inches)—Pods well filled, light green; productive; hardiest of the second early.

1/4 lb., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 55c; 5 lbs., \$1.00; 10 lbs., \$1.80

287—AMERICAN WONDER* (58 days; height 12 inches)—Pods 3 inches, blunt, medium green. Packed tightly in pods; heavy yielder, good quality.

1/4 lb., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.05; 10 lbs., \$1.90

288—AMEER OR LARGE ALASKA (58 days; height 30 inches)—Pods 3 1/2 inches. Wilt resistant. Taller, larger pods than Early Alaska and more productive. Hardiness permits early planting. Sure cropper.

1/4 lb., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 55c; 5 lbs., \$1.00; 10 lbs., \$1.80

290—PREMIUM GEM* (60 days; height 22 inches)—An excellent, medium early, wilt resistant home garden variety. An old variety still popular because of its exceptional quality and yield.

1/4 lb., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.05; 10 lbs., \$1.90

MAIN CROP

292—CHAMPION OF ENGLAND* (73 days; height 54 inches)—Pods 3 1/2 inches. One of the best late peas, fine flavor; vigorous and very productive. Peas large and tender.

1/4 lb., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.05; 10 lbs., \$1.90

293—TALL TELEPHONE* (Improved Wilt Resistant) (74 days; height 48 inches)—Pod 5 1/2 inches long. Our improved Telephones are longer, larger podded, much darker green and more deliciously flavored. The broad, plump, pods contain 8 to 10 peas of highest quality. This heavy producing strain is the standard by which other tall peas are judged.

1/4 lb., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.05; 10 lbs., \$1.90

294—LARGE WHITE MARROWFAT (Wilt Resistant) (80 days; height 55 inches)—Pods 3 1/2 inches, large, light green, blunt. Better adapted than other varieties for late planting. Not as sweet as the wrinkled varieties, but the most productive of all garden peas. Will out-yield all others on poor ground.

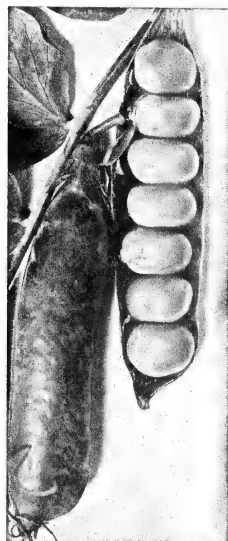
1/4 lb., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 55c; 5 lbs., \$1.00; 10 lbs., \$1.80

298—BLISS EVERBEARING* (Wilt Resistant) (70 days; height 32 inches)—Pods 3 inches. Vines branch successively, thus making it a heavy and prolonged bearer. Peas of good size and sweet marrowy flavor. No home garden should be without it.

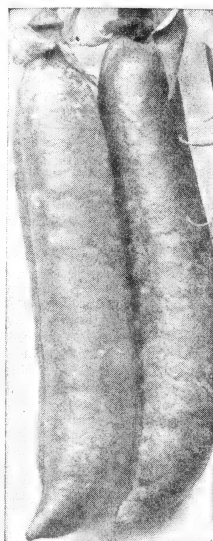
1/4 lb., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.05; 10 lbs., \$1.90

285—DWARF TELEPHONE* (Wilt Resistant) (72 days; height 24 inches)—A dwarf type of Tall Telephone; the best main crop, dwarf pea which produces well without sticking. Plant stocky and branching, bearing abundant long pods (about 4 1/2 inches) that frequently contain 7 to 8 big, luscious, sweet peas.

1/4 lb., 10c; 1/2 lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.05; 10 lbs., \$1.90



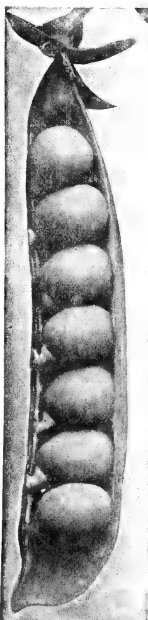
Alaska



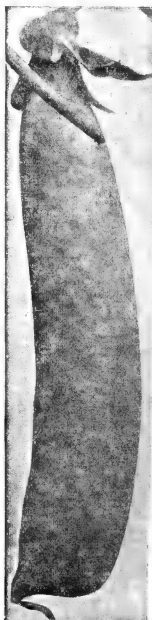
Laxtonian

Three
1/2 Lbs.
Garden Peas
Your Selection
50c
Post Paid

Inoculate
Garden Peas
with
Legume-Aid
See Index



Bliss Everbearing



Marrowfat



BUCK BRAND TESTED SEEDS

BUCHANAN'S SOUTHERN GROWN TABLE PEAS

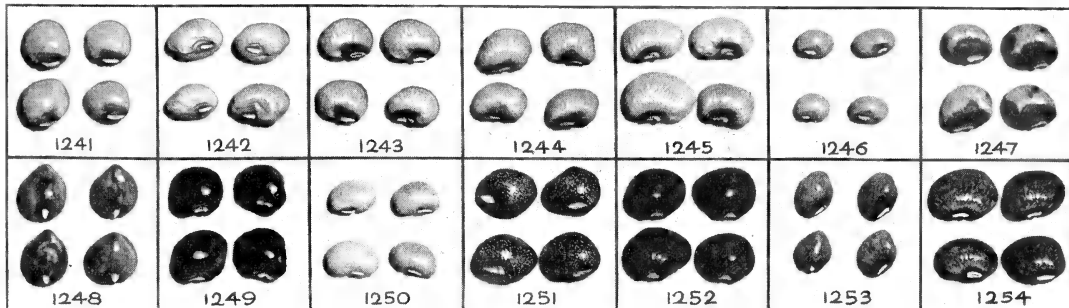
The prices on Cowpeas, Field Beans and Edible Cowpeas are constantly changing, and it is impossible to quote prices on quantities when this catalogue is printed, but in season we will quote prices promptly upon receipt of your inquiry asking for same.

PEAS—For field planting it requires 2 to 3 gallons drilled to the acre; broadcast, 1 to 2 bushels per acre—60 pounds to bushel; all peas are legume plants and should be inoculated before planting. Please give second choice when ordering table peas. Some varieties are very scarce.

Prices on This Page Post Paid Through Third Zone

Quantity Prices—See Yellow Price List Enclosed

Many of these peas are grown for seed in limited areas only and due to localized adverse weather conditions some varieties are always scarce. Please send or bring samples of any peas quoted here that you have for sale.



1241—WHITE OR CREAM CROWDER (Semi-Dwarf)—Seed have brown eye, very sweet. Considered best of the Crowders for home or market. Planted with corn, one row corn one row peas (one peck to acre), will produce usual amount corn and 10 to 20 bushels peas; thrive on clay or on sandy loam land. Mature green peas in 85 to 90 days; dry peas, 100 to 110 days. About 2,200 seed to pound.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 85c; 10 lbs., \$1.40.

1242—RICE OR CREAM (Semi-Dwarf)—Early. Similar to Gallivant or Lady, but larger, very popular, better flavor than Blackeye; fine to eat during winter; kidney shaped with pale white eye. Green peas, 80 days; mature peas in 95 days. Seed usually scarce. About 2,400 seed to each pound.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 85c; 10 lbs., \$1.40.

1243—EXTRA EARLY BLACKEYE (Dwarf)—Often called Small or Six Weeks Blackeye. This is the earliest of all Blackeye Peas. It is a prolific bearer of sweet, tender, delicious green peas. For dried winter use plant in early August. About 3,100 peas in one pound.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 75c; 10 lbs., \$1.30.

1244—WHITE BROWNEYE OR PURPLE HULL (Semi-Dwarf)—A most desirable all purpose pea, produces green peas in 75 days; dried peas in 90 days. Plant stocky, supporting itself well, producing an abundance of long, well filled pods which are easily picked. A prolific bearer of sweet, tender, delicious green peas and are also excellent for dried peas. About 3,000 peas in pound.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 85c; 10 lbs., \$1.40.

1245—CALIFORNIA OR LARGE BLACKEYE (Running)—Main crop pea late maturing, green peas 80 days, dried peas 100 days. Long pods, well filled, good producer. Most popular for dried winter use. There are about 2,000 peas in one pound.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 85c; 10 lbs., \$1.40.

1246—GALLIVANT OR LADY (Running)—Small white pea with pale white eye. There are more of these peas sold on the Southern markets than any other of the small white peas. Fine flavor; superior to Blackeye peas and very prolific. Green peas in 90 days, dried peas in 105 days. About 5,800 seed per pound.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 85c; 10 lbs., \$1.40.

1247—CALICO (Running)—White pea with red splotches, known in some sections as Coat and Jacket, Joseph Coat, Pole Cat, Arkansas Traveler, and World Wonder, and Wild Goose. If planted in April or May in corn, dropping peas same time as corn they will make a pod 12 to 14 inches long, filled with large peas. You can pick them all through the summer as they ripen, as they will bear until frost kills the vines; good flavor and not as strong as most dark peas. About 2,900 peas in one pound.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 85c; 10 lbs., \$1.40.

1248—BROWN SUGAR CROWDER (Semi-Dwarf)—Will bunch on poor ground, make some vine on good soil, earlier and sometimes larger than the White or Cream Crowder; very prolific. More certain to produce than any other Crowder. Green peas, 80 days, and dried peas in 100 days. There are about 2,000 peas in one pound.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 75c; 10 lbs., \$1.30.

1249—BLACK CROWDER (Running)—Seed jet black with white eye, little larger than the White or Cream Crowder. They have a fine appearance and are well liked where known. They will make green peas in about 90 days and dried peas, 110 days. There are about 2,000 peas in one pound.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 85c; 10 lbs., \$1.40.

1250—CONCH OR ACRE (Running)—Seed small white with pale white eye. They are early, a shy seeder but superior in quality, and when green can be snapped and cooked like beans. Green peas in about 80 days, dried peas about 95 days. There are about 3,500 seed in one pound.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 85c; 10 lbs., \$1.40.

1251—GREY OR SILVER CROWDER (Semi-Dwarf)—Seed are grayish brown and have a silver cast like some Whip-poor-wills. Produce very large, fine flavored green peas. Most always scarce; make green peas in about 90 days, dried peas about 100 days. There are about 1,500 peas in one pound.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 85c; 10 lbs., \$1.40.

1252—BUTTER PEAS (Bunch)—This unusual variety appears to be a cross between Calico Lima and Calico Crowder and has the finer qualities of both. Has the rich Crowder flavor; can be used green or dried. Being extremely drought-resistant it is ideal for summer planting. Make green peas in about 80 days, dried peas in 95 days. There are about 1,800 seed in one pound.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 5 lbs., 90c; 10 lbs., \$1.60.

1253—SMALL CREAM CROWDER (Bunch); also called Six Weeks or Two Crop.—Will produce green table peas in six weeks; while we do not consider it superior to large cream crowder, it is equally as good and its earliness makes it more desirable to plant for early market. Matures dried peas in about 65 days; will make two crops on good land in one season. There are about 5,300 seed in one pound.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 2 lbs., 45c; 5 lbs., 85c; 10 lbs., \$1.40.

1254—TAYLOR OR BLUE GOOSE (Running)—Also known as Grey Goose.—A very prolific yielder, and fine flavored, producing green peas in about 70 days and dried peas 80 to 85 days. Seeds large speckled and produce long pods, said by many to be the largest of all Southern table peas when green. There are about 1,800 seed in one pound.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 75c; 10 lbs., \$1.30.



SWEET AND HOT PEPPERS

CULTURE—One ounce will produce about 1,000 plants. For early plants, sow in hotbeds the latter part of January, and transplant to open ground after all danger of frost is over, in rows 3 feet apart, 18 to 24 inches apart in the rows. Practice clean, shallow cultivation and apply a side dressing of complete fertilizer when plants are 6 to 8 inches tall.

All Prices on This Page Post Paid
Quantity Prices—See Yellow Price List Enclosed

Days Given Below Are From Time of Transplanting

296—CALIFORNIA WONDER (Certified) (Sweet) (70 days)—Plants are stocky and sturdy, vigorous and prolific over a long season. Fruits are borne upright, averaging 4 inches long and $3\frac{1}{2}$ inches wide, with only a very slight taper to mostly 4 points. The outside of the fruits is very smooth. Color bright, dark green changing to brilliant crimson. The flesh is extremely thick and firm, sweet throughout and distinct flavor. One of the finest for stuffing. Certified California Wonder differs from Non-Certified California Wonder in being earlier in maturity, and with heavier yields. The finest green pepper grown by the oldest seed house in the United States, certified by the State. It packs well, ships well, holds up well.

Pkt., 10c; $\frac{1}{2}$ oz., 45c; oz., 75c; $\frac{1}{4}$ lb., \$2.65; $\frac{1}{2}$ lb., \$4.50; 1 lb., \$8.00.

300—CALIFORNIA WONDER (Not Certified) (75 days)—Almost as large as Chinese Giant, short, blocky and square ended, splendid for stuffing, baking or serving with salad filling. Very mild, sweet, thick walled and an excellent shipper.

Pkt., 5c; $\frac{1}{2}$ oz., 20c; oz., 30c; $\frac{1}{4}$ lb., 90c; $\frac{1}{2}$ lb., \$1.55; 1 lb., \$2.95.

305—WORLD BEATER (73 days)—Vigorous, sure cropper and very prolific. Fruits large, glossy, dark green, exceedingly mild; mostly four-lobed, flesh thick, firm and an excellent shipper.

Pkt., 5c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c; $\frac{1}{2}$ lb., \$1.25; 1 lb., \$2.35.

301—ROYAL KING (Sweet) (73 days)—It grows to a large size, is very mild, is of a bright green color changing to scarlet. The flesh is thick, meaty and fine flavored. Plants grow 2 to $2\frac{1}{2}$ feet high.

Pkt., 5c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c; $\frac{1}{2}$ lb., \$1.25; 1 lb., \$2.35.

303—CHINESE GIANT (Sweet) (80 days)—The plant is about two feet high, of strong, vigorous, upright growth, very productive. The monstrous, attractive size and sweet mild flavor of the fruit have made it an old stand-by for the home and market gardeners.

Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; $\frac{1}{2}$ lb., \$1.85; 1 lb., \$3.50.

302—BELL OR BULL NOSE (Sweet) (66 days)—Ripens early and uniformly; large fruits with thick, mild flesh of excellent quality. Very productive. A splendid variety for home use.

Pkt., 5c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c; $\frac{1}{2}$ lb., \$1.25; 1 lb., \$2.25.

304—LONG RED CAYENNE (65 days)—A well-known hot pepper; larger than Red Chili but just as hot and pungent. It is medium early sort having a slender, twisted and pointed pod about five inches long. A bright red color when ripe.

Pkt., 5c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c; $\frac{1}{2}$ lb., \$1.35; 1 lb., \$2.50.

312—PIMENTO (Sweet) (70 days)—Mostly used for canning, for seasoning and flavoring, also garnishing, but can be stuffed and baked. It has the most delicate, mild sweet flavor of any pepper. It is very smooth, heart-shaped tapering to a single point; dark green turning to a bright crimson.

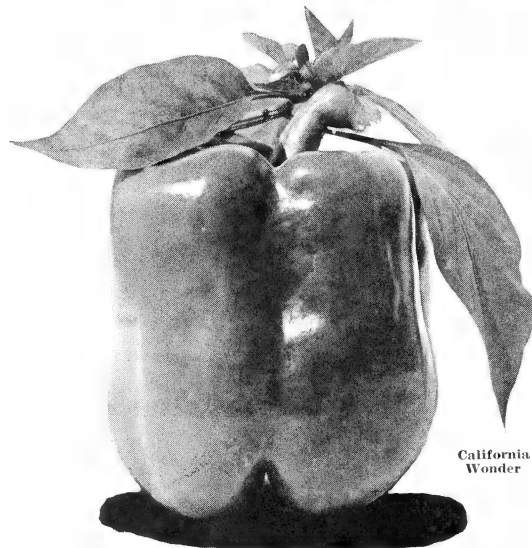
Pkt., 5c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c; $\frac{1}{2}$ lb., \$1.25; 1 lb., \$2.25.

308—RED CHILI PEPPER (80 days)—A very hot, pungent, bright red pepper used for flavoring. Dwarf growing, with slender, pointed fruits about one inch long; very prolific.

Pkt., 5c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., 95c; $\frac{1}{2}$ lb., \$1.70; 1 lb., \$3.00.

SPECIAL SUBSCRIPTION OFFER

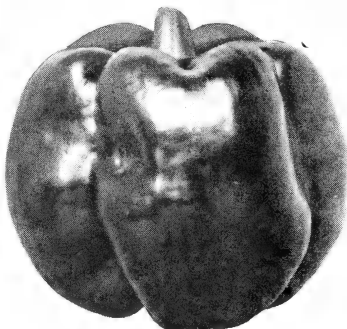
Enclose 50c with your seed order remittance and we will send you The Progressive Farmer-Southern Ruralist for 2½ years. You will find it worthwhile articles on farming, gardening, fruit, chickens, hogs and cows very interesting and helpful.



California Wonder



Cayenne



Bell or Bull Nose



Chinese Giant



Red Chili



PUMPKIN SEED

CULTURE—One ounce will plant 20 hills; 3 pounds will plant 1 acre. Plant in hills 8 to 10 feet apart each way; 4 seeds to the hill. For a good crop the soil should be rich. Cultivate same as cucumbers or melons. Pumpkins should not be planted in the garden, as they will mix with squash. Plant in corn, about 15 feet apart.

All Prices on This Page Post Paid
Quantity Prices—Not Prepaid—See Yellow Price List Enclosed

316—KING OF THE MAMMOTH (115 days)—A giant among pumpkins. Used largely for stock feeding and exhibition purposes. Fruits occasionally weigh 100 pounds. Flesh solid; thick and deep orange in color; good keeper.

Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 75c; 5 lbs., \$3.25

314—KENTUCKY FIELD (110 days)—Our stock especially grown for seed purposes. Fruit large, slightly ribbed, dull orange, flattened to round. Deep yellow, of good flavor. Excellent for pies, canning and stock feed. Vigorous, prolific, good keeper, about 20 pounds.

Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 45c; 5 lbs., \$1.60

315—CUSHAW (Green Striped) (110 days)—The fruits are crooknecked. The rind is cream mottled with irregular green stripes. Weight about 12 pounds. A fine table pumpkin and equally good for stock. Large and very productive; meat is rich, yellow, tender, of the best flavor, very sweet and good keeper.

Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.20

317—TENNESSEE SWEET POTATO (110 days)—Fruits are pear-shaped. The creamy yellow flesh is very thick, fine grained, very sweet and delicious and like the sweet potato in flavor. A first class keeper and good yielder. Weight about 15 pounds.

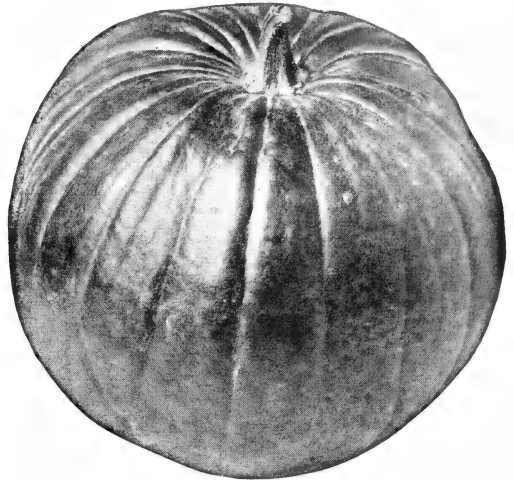
Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 75c; 5 lbs., \$3.25

313—SMALL SUGAR (100 days)—Not large, but one of the sweetest and best for pies; fine grained, deliciously sweet and a good keeper; flesh rich, deep orange-yellow.

Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.20

325—CORNFIELD PUMPKINS (For Feeding Stock) (110 days)—Grow two crops in one field; plant this heavy yielding pumpkin in all late corn.

Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 25c; 1 lb., 35c; 5 lbs., \$1.35



Dickinson

318—DICKINSON—The finest pumpkin for canning and feeding; the flesh is extraordinarily thick, being twice or three times as thick as other pumpkins. It has an unusual, brilliant, deep gold color that is unique. It is one of the few pumpkins that can be canned without the addition of sugar, starch or coloring; the texture is smooth with a protein content 5 to 8 per cent higher than other Field Pumpkins, therefore that much more valuable for human food or stock feeding. It will succeed where other pumpkins are ruined by insects; further, its tonnage will outyield any other pumpkin.

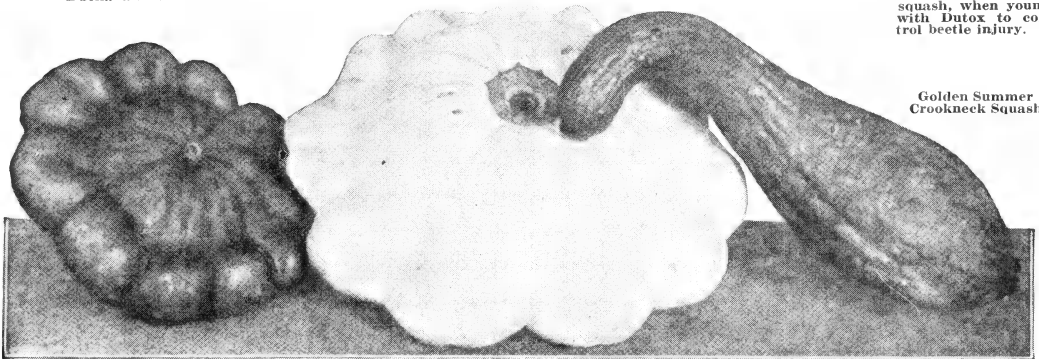
Pkt., 5c; oz., 15c; ¼ lb., 30c; ½ lb., 45c; 1 lb., 70c; 5 lbs., \$2.90

Dust pumpkin and squash, when young, with Dutox to control beetle injury.

Buchanan's White Bush Squash

Golden Custard

Golden Summer
Crookneck Squash



SQUASH SEED

Summer Squash, 1 ounce plants 35 hills; 4 to 5 pounds an acre
Winter Squash, 1 ounce plants 35 hills; 3 to 4 pounds an acre.

CULTURE—After danger of frost is past, plant in a warm, well-pulverized rich soil, mixing well-rotted manure in each hill. Plant about 1 inch deep, 6 to 8 seeds to the hill, the summer varieties 3 to 4 feet apart, the winter sorts 8 to 10 feet. When well established, thin out, leaving 3 of the strongest plants in each hill.

363—EARLY PROLIFIC STRAIGHTNECK (50 days)—Winner 1938 All America Award. New, high yielding summer squash, earlier than Giant Straightneck, which it replaces. Fruits straight, smooth and of bright, deep lemon yellow color. Its rich, buttery flavor is unsurpassed in squash. It is firm with a pronounced flavor when young and remains tender until very large.

Pkt., 5c; oz., 15c; ¼ lb., 25c; ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.20

367—GOLDEN CUSTARD (58 days)—Like White Bush except its golden color and richer flavor.

Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 70c; 5 lbs., \$2.85

368—EARLY WHITE BUSH (53 days)—The well known White Scalloped Squash. One of the earliest; very productive; skin and flesh a light cream color, tender and of the highest quality. Cooks quickly.

Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 70c; 5 lbs., \$2.85

371—EARLY GOLDEN SUMMER CROOKNECK (52 days)—Bush variety, early, profuse and prolonged bearer; golden yellow, with a pronounced, true, rich squash flavor.

Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 70c; 5 lbs., \$2.85

372—GIANT YELLOW CROOKNECK (58 days)—Fruit is large, bright yellow, thick flesh. This squash offers unusual size without sacrificing good quality.

Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 70c; 5 lbs., \$2.85

374—HUBBARD (100 days)—One of the best winter squashes; flesh bright orange-yellow, fine-grained; very dry and sweet. Can be stored like a pumpkin.

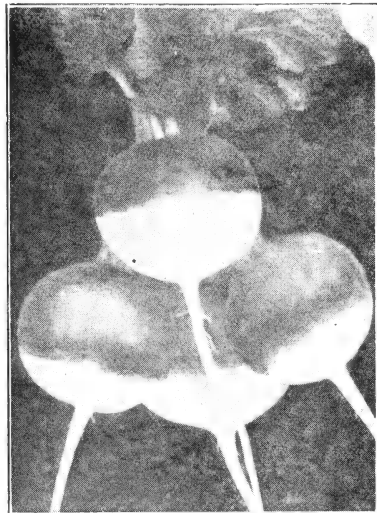
Pkt., 5c; oz., 15c; ¼ lb., 30c; ½ lb., 50c; 1 lb., 85c; 5 lbs., \$3.00



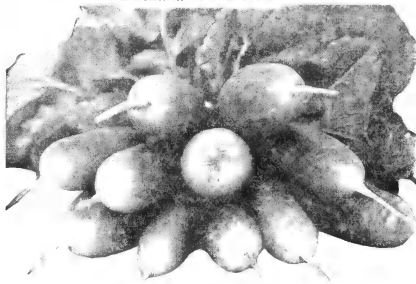
R.B. BUCHANAN SEED CO. MEMPHIS, TENNESSEE.



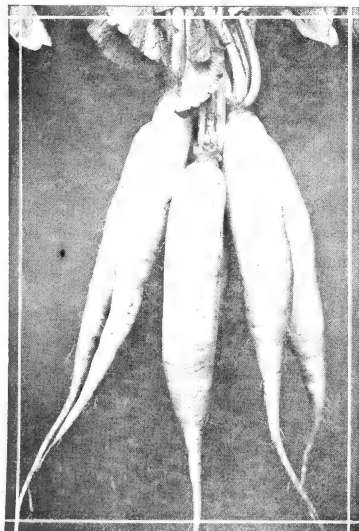
BUCK BRAND TESTED SEEDS



Buchanan's Perfection



Buchanan's French Breakfast Radish



White Icicle

BUCHANAN'S RADISH SEEDS

CULTURE—Sow in open ground in spring, as soon as the soil can be worked. Sow in rich sandy loam, in drills 18 inches apart; thin plants to prevent crowding. Keep the soil loose and apply a little nitrate of soda. Successive plantings should be made every 10 days or 2 weeks to keep up a continuous supply of crisp and tender radishes. For early use plant the round or button radishes and olive shaped. For later use plant the long and half-long varieties. Sow one ounce of seed to 100 feet of row.

FOR FIELD PLANTING—Plant in rows 15 inches apart, plants 3 inches apart. 8 to 10 pounds to acre; matures in 24 to 40 days.

All Prices on This Page Post Paid. All 10c Items 3 for 25c
Quantity Prices—Not Prepaid—See Yellow Price List Enclosed

ROUND AND TURNIP SHAPED VARIETIES

344—BUCHANAN'S NEW PERFECTION (Half White) (25 days)—The perfected white tip. The white portion extends farther up than on ordinary white tip. The brilliant scarlet red affords a distinct contrast to the large white portion. It is turnip shape, very uniform, with crisp, tender, sparkling flesh. Ideal for home garden and marketing, as it does not become pithy until after matured.

339—EARLY SCARLET TURNIP (White Tipped) (25 days)—The long used standard white tip. Roots nearly round with small tap root; bright red with small white tip. Flesh white crisp and mild.

351—EARLY SCARLET GLOBE (23 days)—Slightly olive-shaped, with white, tender, crisp flesh and rich, bright scarlet-red skin. Excellent for home use and especially recommended for gardeners because of its earliness, uniformity of size and short top which is strong enough to bunch well.

350—FRENCH BREAKFAST (25 days)—Early, half long, deep scarlet radish with white bottoms. Flesh white, crisp. Best of the half long type.

LONG VARIETIES

346—WHITE ICICLE (27 days)—Best early long white variety. Adapted to early spring plantings since it remains crisp and tender longer than any other radish. Its hardness makes it popular for fall planting also. Roots 5 to 5½ inches long, snowy white outside with brittle, tender, glistening white flesh of mild, inviting flavor.

343—LONG SCARLET SHORT TOP (27 days)—Roots smooth, uniform, 5 to 6 inches, tapering, dark scarlet with small tops and white, crisp flesh. Best long red type.

353—MIXED RADISHES (26 to 30 days)—Assorted, giving a succession of crisp, tender radishes over a long period.

Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 55c; 5 lbs., \$2.35

WINTER VARIETIES

349—LONG BLACK SPANISH (50 days)—One of the hardest and best winter keeping varieties. Large, firm; jet black skin, flesh snow white; exceedingly crisp and free of pithiness.

348—CHINA ROSE WINTER (50 days)—Skin a deep rose color, flesh pure white, firm and crisp. Good keeper. The most popular winter radish.

Prices on All Radishes except where priced otherwise

Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 40c;

1 lb., 70c; 5 lbs., \$2.85

EDIBLE SOY BEANS

Soy beans, as human food, are one of the cheapest and best sources of complete protein, fat, minerals and Vitamin B₁. The high protein content of soy beans is more nearly like that found in meat and more easily digested. For twenty-five years the famous Battle Creek Sanatorium has been serving tasty, healthful soy bean foods in many ways. They are more drought resistant and less susceptible to insect injury than other garden beans. Be sure to plant some of this easily grown, sure cropping new vegetable. The green beans are delicious and ideal for winter use dry and are never attacked by weevil. To shell green beans, pour boiling water over them and allow to stand until cool enough to handle. To cook when dry, soak overnight.

CULTURE—After danger of frost, plant in rows approximately 3 feet apart. When 6 to 8 inches high thin to 1 plant, every 3 to 5 inches. Give clean, shallow cultivation as you would snap beans. One pound plants about 200 feet.

54—EARLY EDIBLE (90 days to green beans)—In tests of 125 varieties at Mississippi State College this bean was outstanding in earliness, yield, quick cooking and fine flavor. Plant upright, about 3 feet high, beans creamy yellow. Don't fail to try this most delicious early maturing heavy yielding soy bean.

55—EARLY NANDA (95 days to green beans)—This variety rated excellent as to flavor and tenderness in extensive cooking tests. It has consistently yielded well and we unhesitatingly recommend it as a superior edible soy. Soy beans are not acid forming in the process of digestion and probably supply more minerals than any other vegetable. Unusually fine for growing children.

Soybean Prices—¼ lb., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 70c



All Prices on This Page Post Paid. All 10c Items, 3 for 25c
Quantity Prices—Not Prepaid—See Yellow Price List
Enclosed

BUCHANAN'S TURNIP SEEDS

CULTURE—One ounce will sow 100 feet in drill; 2 to 3 pounds for an acre. For early use, sow seed in open ground in spring, in drills 1 foot or more apart, using seed sparingly. Thin to 3 or 4 inches apart. For succession sow every two weeks until May. For fall and winter, sow in August and until November. A good crop may be grown by scattering seed in corn field at last cultivation.

PRICE: All varieties Turnips unless otherwise quoted—
Pkt., 5c; oz., 10c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.50; Post Paid.

408—SHOGIN (Louse-Resistant)—Resists heat, dry weather, and insect attacks. Quickly produces an enormous yield of upright-growing, succulent foliage, which is crisp, tender, and of superb mild flavor. The "greens" are ready for use in 25 days. Roots are large, pure white, semi-globular, and of a most excellent quality. A great dual purpose turnip.

Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 45c; 1 lb., 80c; 5 lbs., \$3.50

402—AMERICAN RED TOP WHITE GLOBE—Globe shaped, the upper part reddish purple, lower part snow-white. Flesh pure white, sweet and tender. Produces turnips quickly.

Pkt., 5c; 1 oz., 10c; ¼ lb., 20c; ½ lb., 35c; 1 lb., 50c; 5 lbs., \$2.15

401—PURPLE TOP WHITE GLOBE—An all-purpose variety, extensively used for home and market gardens and for shipping. Our purebred strain is noted for its uniformity and productivity. Tops dark green, large, erect. Roots large, globe shaped, very smooth, upper part purple, white below. Flesh white, sweet, crisp and tender.

395—LARGE WHITE GLOBE—Skin and flesh pure white. An excellent producer of good quality greens and turnips.

399—PURPLE TOP FLAT STRAP LEAF—A desirable early, flat, sweet, tender turnip for spring planting.

400—SEVEN TOP—Used exclusively for greens; will grow all winter. Can be planted spring or fall.

404—SOUTHERN PRIZE—Very desirable for winter and spring greens. Similar to Seven Top, but the leaves grow more upright and larger. Not quite so hardy as Seven Top, but a heavy producer of delicious salad.

405—BUCHANAN'S MIXED TURNIP—Mixture of all sorts, giving a variety of turnips, roots and tops, from fall to spring, from one sowing.

406—EXTRA EARLY WHITE EGG—A very early, tender and crisp turnip; solid, fine grained, sweet.

411—PURPLE TOP YELLOW ABERDEEN—A yellow-fleshed late turnip; sweet, tender, good keeper.

413—AMBER GLOBE—The best yellow fleshed turnip. Very hardy fine grained, tender and sweet.

414—LONG WHITE COW HORN—A purple top long white variety, growing in shape similar to a cow's horn.

418—RUTABAGA—IMPROVED PURPLE TOP YELLOW—Grows the same shape and size as Purple Top Globe Turnips. Color of skin, yellow with purple crown. Flesh deep yellow, fine grain and of excellent quality. It is an excellent keeper.

Pkt., 5c; 1 oz., 10c; ¼ lb., 35c; ½ lb., 55c; 1 lb., 90c; 5 lbs., \$4.00

415—BUCHANAN'S BIG-6 TURNIP COLLECTION, 35c

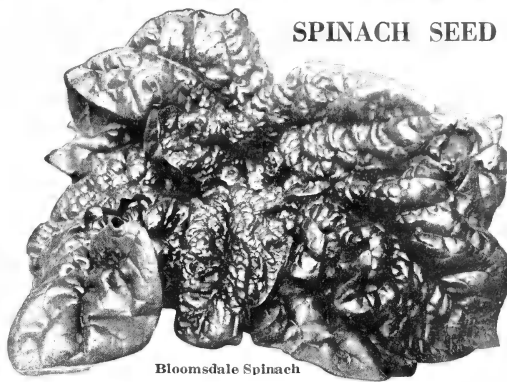
For 35c we will send you post paid one ounce each of Extra Early White Egg, Purple Top Strap Leaf, Amber Globe, Purple Top Globe, Large White Globe, and Seven-Top—6 ounces of turnips, all different, for 35 cents, delivered at your post office.

SALSIFY—THE VEGETABLE OYSTER

364—MAMMOTH SANDWICH ISLAND—Plant seed in early spring in rich, loamy, deep soil and thin to 3 inches apart. Cultivate cleanly all summer and dig as needed through fall and winter. This is a large and vigorous strain with long, white tapering roots, less likely to branch, with flavor resembling oysters. Fine for home garden or market.

Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25

SPINACH SEED



Bloomsdale Spinach

CULTURE—One ounce to 60 feet to drill. For an early crop, sow early in the spring, in drills, 1 foot apart, and thin out to 2 inches in the row. For winter and early spring crop, sow either broadcast or in drills about the first of September to November.

FOR FIELDS—Plant in drills, 10 pounds per acre. Produces enormously and is one of the South's best quick money crops.

354—RESELECTED BLOOMSDALE SAVOY (42 days)—Leaves well rounded, much crumpled and blistered, glossy, and of a deep green color. Early, vigorous and good shipper. Recommended for planting in the fall and early spring. It is used extensively by both market and home gardeners, and is of high quality.

Pkt., 5c; 1 oz., 10c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c; 5 lbs., \$3.75

358—LONG STANDING BLOOMSDALE (Savoy Leaved) (45 days)—Very long standing. Leaves are intensely crumpled and blistered, glossy, of a dark green color, and well rounded. Plant large, very uniformly compact, erect, sturdy and will remain in good condition from 12 to 14 days longer before running to seed. Especially desirable for spring planting.

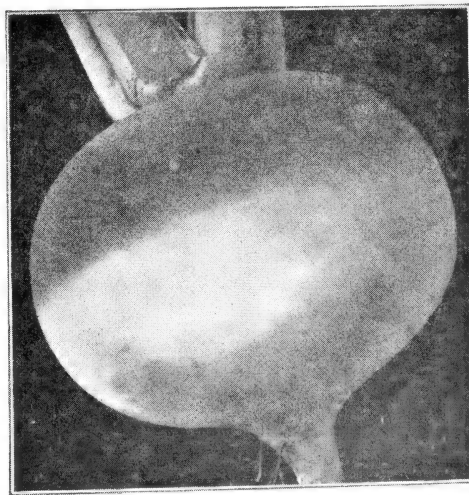
Pkt., 5c; 1 oz., 10c; ¼ lb., 25c; ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.25

361—NEW ZEALAND (60 days)—Does well on almost any type soil and thrives in hot, dry weather, when most greens are scarce, if spaced about 18 inches in the row. Cut and come again variety that bears until frost.

Pkt., 5c; 1 oz., 10c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c; 5 lbs., \$3.75

362—LARGE VIROFLAY (48 days)—A large, very upright, vigorous growing variety, with long, broad, pointed, thick, smooth leaves of deep green color. Desirable for home gardens, for truckers and becoming a popular variety for shipping and canning.

Pkt., 5c; 1 oz., 10c; ¼ lb., 35c; ½ lb., 55c; 1 lb., 90c; 5 lbs., \$4.00



Purple Top Globe



BUCHANAN'S TOMATO SEEDS

CULTURE—Six or eight weeks before frost is over, sow $\frac{1}{4}$ inch deep in hotbeds, in pots or shallow boxes in the house, and when they have made 4 leaves, transplant to boxes or pots to promote root growth. Expose as much as possible to harden them so that, when set out in the open ground, they will be strong and stocky, but do not allow the growth to be checked. Transplant 3 to 4 feet apart in a light, warm soil, and shade them a few days until they are well rooted. One ounce makes about 1,000 strong plants; 4 ounces will make plants for an acre.

FOR FIELD PLANTING—Set plants 3 feet apart in rows 4 feet apart; require 3,600 plants to acre.

Maturity estimated from time plants set in field.

All Prices on Tomatoes Post Paid. All 10c Pkts. 3 for 25c
Quantity Prices—See Yellow Price List Enclosed

379—CERTIFIED GROTHEN GLOBE—The New Early, Bright Scarlet Tomato (Wilt Resistant) (67 days)—Similar to Break O'Day but the fruits have a more positive bright red color and a deeper globe shape; splendid flavor, smooth, firm and solid. It has abundant foliage which protects the fruit from sun scald. As it is hardy, vigorous and a prolific bearer, don't fail to plant this variety for your early crop.

Pkt., 5c; $\frac{1}{2}$ oz., 20c; 1 oz., 30c; $\frac{1}{4}$ lb., 85c; $\frac{1}{2}$ lb., \$1.55; 1 lb., \$2.95

393—MARGLOBE (Wilt-Resistant) (Red) (79 days)—Fruits are of medium size, smooth, solid and deep from stem to blossom ends. They are set in clusters of 5 to 7 on vines with medium to heavy growth. Cell structure is irregular. It is wilt resistant; the popular Globe shape, scarlet color; good cropper, marketer and shipper. Marglobe simply leaped into popularity for the main tomato in wilt territories—the best all-round variety.

Pkt., 5c; $\frac{1}{2}$ oz., 15c; 1 oz., 25c; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 90c; 1 lb., \$1.70

392—CERTIFIED GREATER BALTIMORE (Scarlet Fruit) (83 days)—Mid-season variety of great merit; very heavy, due to extreme firmness and very thick meat. The fruit ripens evenly and is free from ridges and cracks, making it one of the best canning tomatoes. It is dependable, producing heavily under bad weather and soil conditions where many would fail. It is considered more certain to produce a heavy fall crop than any other tomato. It is also very well suited for home gardens and markets because of its attractive appearance. Our special certified seed insures to you the very finest crops your soil and season will allow.

Pkt., 5c; $\frac{1}{2}$ oz., 15c; 1 oz., 25c; $\frac{1}{4}$ lb., 80c; $\frac{1}{2}$ lb., \$1.40; 1 lb., \$2.50

377—BUCHANAN'S BEEFSTEAF (Pink) (90 days)—The plants are healthy and luxurious, quite blight-resistant and continuous and abundant bearers. Fruits are very large, semi-flat, very meaty, with a solid center and an inviting, tasty flavor. Because of its desirable qualities it is popular for the home garden.

Pkt., 5c; $\frac{1}{2}$ oz., 25c; 1 oz., 40c; $\frac{1}{4}$ lb., \$1.15; $\frac{1}{2}$ lb., \$2.00; 1 lb., \$3.70.

378—EARLIANA IMPROVED STRAIN (Bright Red) (66 days)—Don't fail to plant for your early Tomatoes this much improved strain developed by Pennsylvania State University. Fruits thicker, smoother, of better quality than the old strain of Earliana.

Pkt., 5c; $\frac{1}{2}$ oz., 15c; 1 oz., 25c; $\frac{1}{4}$ lb., 85c; $\frac{1}{2}$ lb., \$1.45; 1 lb., \$2.70.

397—BUCHANAN'S BRIMMER TOMATO (Dark Pink) (90 days)—The largest of all tomatoes. Single tomatoes weighing 3 pounds and 18 inches around have been grown by training to a single stem. It must be staked. In quality and size there is no tomato that can compare with Brimmer and it is the most productive of all large tomatoes; deliciously mild and free of excess acidity. Brimmer has a very large, solid, meaty center and only a few small outer seed cavities. Even though so large, fruits are well shaped and make the finest slicing tomato for home use.

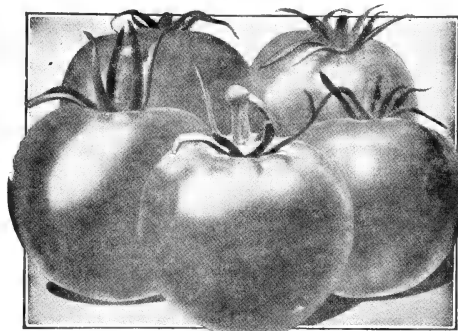
Pkt., 10c; $\frac{1}{2}$ oz., 25c; 1 oz., 40c; $\frac{1}{4}$ lb., \$1.15; $\frac{1}{2}$ lb., \$2.00; 1 lb., \$3.75.

We especially urge you to plant Certified Tomato Seed when available since it is certified as to excellency of stock, truthness to type and freedom from disease. However, we offer non-certified seed of the following varieties which are described elsewhere in Certified Seed.

390—RUTGERS 391—GREATER BALTIMORE
Pkt., 5c; $\frac{1}{2}$ oz., 15c; oz., 20c; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 85c; 1 lb. \$1.50

387—BREAK O'DAY

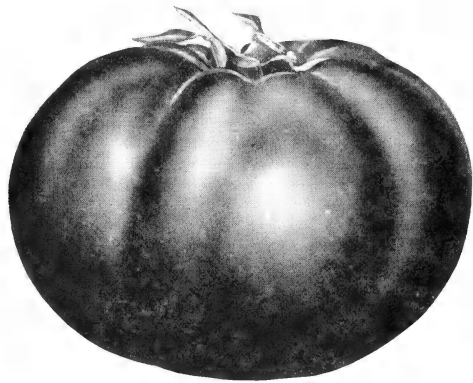
Pkt., 5c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 80c; $\frac{1}{2}$ lb., \$1.50; 1 lb., \$2.75



Certified Master Marglobe

384—CERTIFIED MASTER MARGLOBE (Bright Deep Red) (Wilt and Rust Resistant) (80 days)—Master Marglobe is now in its 16th year of single-plant selection. We believe this strain is without doubt the most perfect all-purpose Tomato thus far. Its large, nearly round, smooth, solid fruits are ideal for home use and local market. It also ranks first as a green wrapped shipper. The flavor will please the most discriminating taste. The partitions which divide the small seed cavities and the outer wall are thick, meaty and firm. Vine is sturdy, carrying the fruit well, with sufficient foliage to protect its fruit. In Master Marglobe we offer a tomato, probably the most resistant to wilt, rust and blight.

Pkt., 10c; $\frac{1}{2}$ oz., 20c; 1 oz., 30c; $\frac{1}{4}$ lb., 85c; $\frac{1}{2}$ lb., \$1.55; 1 lb., \$2.95.



Certified Greater Baltimore

381—PONDEROSA (Purplish Crimson) (88 days)—Fruits are very large, solid, meaty, and very sweet; deep, but flat; very fleshy, with few seeds; of very mild flavor. Our selected strain of Ponderosa is less rough and ribbed than the ordinary Ponderosa and is quite popular. It makes fine slices and is suited only to home use and local market.

Pkt., 5c; $\frac{1}{2}$ oz., 25c; 1 oz., 40c; $\frac{1}{4}$ lb., \$1.15; $\frac{1}{2}$ lb., \$2.00; 1 lb., \$3.75.

382—NEW STONE (Deep Red) (86 days)—The standard and general favorite with truckers and canners; always dependable, very vigorous and productive, fruits round, large, solid, smooth, and possess the color, size, flavor and uniformity so desirable for canning.

Pkt., 5c; $\frac{1}{2}$ oz., 15c; 1 oz., 20c; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 85c; 1 lb., \$1.50

387-A—OXHEART (Pink) (90 days)—Shaped like a beef heart and when grown under favorable conditions it produces enormous fruits with probably less seed and more meat than any other Tomato. Its attractive, novel appearance, mild flavor and firmness have won for it popularity in the home garden and local market where it commands a premium.

Pkt., 10c; $\frac{1}{2}$ oz., 30c; 1 oz., 45c; $\frac{1}{4}$ lb., \$1.50; $\frac{1}{2}$ lb., \$2.75; 1 lb., \$5.25.



BUCHANAN'S TOMATO SEEDS

376—CERTIFIED RUTGERS (Rich Red) (Wilt and Rust Resistant) (72 days)—Rutgers produces a rather large plant, so strong that it withstands wind and rain better than any other variety, supporting its abundant crop perfectly. On good, rich land, heavy applications of nitrogen should not be made. Abundance of foliage serves as ample protection from sunscald of the fruits. The fruits being larger than Marglobe, tend to flatten out more. The internal structure is as good as our Marglobe, having thick outer and inner walls, and very small seed cavities. The internal color is darker red than Marglobe. Rutgers makes juice of low acidity and fine flavor, intermediate between the sweet Marglobe and the very tart late varieties. It is a good canning tomato. Rutgers will yield as well as Marglobe, and on light, sandy soil will surpass this variety.

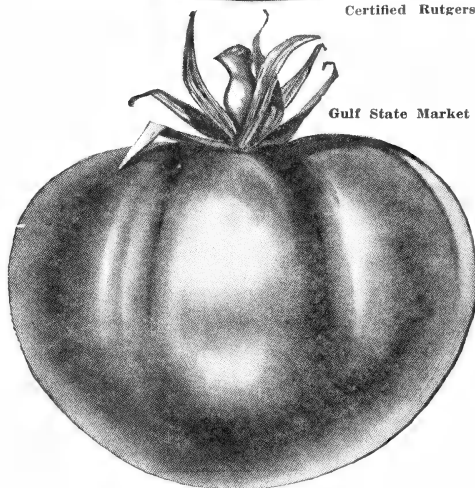
Pkt., 5c; ½ oz., 20c; 1 oz., 30c; ¼ lb., 90c; ½ lb., \$1.50; 1 lb., \$2.75



Certified Rutgers

394—GULF STATE MARKET WILT RESISTANT (Purplish Pink) (82 days)—We believe the Gulf State Market to be the chief purplish-pink fruited market variety grown in the Gulf States. The vines are very vigorous and withstand blight exceptionally well. The fruits are large, true globe shaped, show but little depression about the stem and are smooth and free from cracks. It ripens uniformly well up to the stem. Very productive and an excellent commercial shipper.

Pkt., 5c; ½ oz., 15c; 1 oz., 25c; ¼ lb., 85c; ½ lb., \$1.45; 1 lb., \$2.70



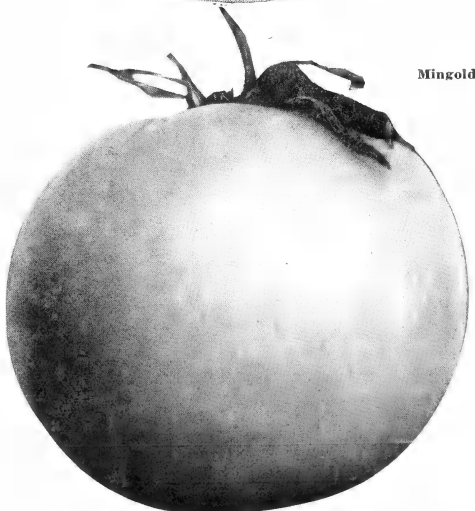
Gulf State Market

396—CERTIFIED BREAK O'DAY (Deep Scarlet) (Wilt and Rust Resistant) (70 days)—Its outstanding features are earliness and productiveness. It resembles Marglobe in shape, depth of fruit, thickness of wall and color, both inside and outside. The fruits are of medium size, deep, solid and almost seedless.

Pkt., 5c; ½ oz., 20c; 1 oz., 35c; ¼ lb., 90c; ½ lb., \$1.60; 1 lb., \$3.00

385—MINGOLD (Deep Yellow) (72 days)—A mild flavored, yellow fruited tomato, very similar in size and season to Marglobe. Where size and quality are concerned Mingold excels all previously known yellow types. It has a mild, sweet flavor not found in red colored sorts. It is early, deep round in shape, with a thick, firm outer wall. With its additional Vitamin D, attractive color and shapely fruits, along with the reds, it is popular and colorful in salads, and also satisfies a growing demand for yellow tomato juice. It should replace all other yellow tomatoes.

Pkt., 10c; ½ oz., 30c; 1 oz., 45c; ¼ lb., \$1.50; ½ lb., \$2.75; 1 lb., \$5.25.



Mingold

TOBACCO

CULTURE—The seed should be sown as soon as possible after danger of frost is over. When the plants are 6 inches high, transplant into rows 3 feet apart each way.

365—WHITE BURLEY—Heavy yielding. Rich broad leaves. Easy to cure. Desirable for cut or plug tobacco.

366—HAVANA—Large, long leaves. Of fine texture and delightful flavor. One of the earliest.

Price, either variety—Pkt., 10c; ½ oz., 30c; 1 oz., 50c; ¼ lb., \$1.25

SPECIAL SUBSCRIPTION OFFER

If you will enclose 50 cents along with your regular seed order remittance we will have your subscription to the Progressive Farmer-Southern Ruralist entered for 30 months (2½ years) and it will come to you regularly for that time, post paid to any part of the United States.

Worthwhile articles on farming and farm crops, gardening, fruits, chickens, hogs, cows, and several pages each issue for the home.

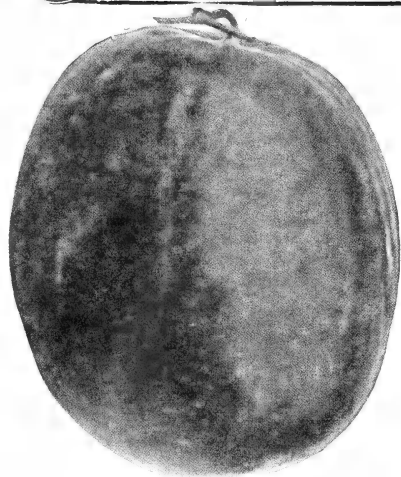
In this special offer we guarantee you full satisfaction and money back at the end of three months if you don't think it well worth it.



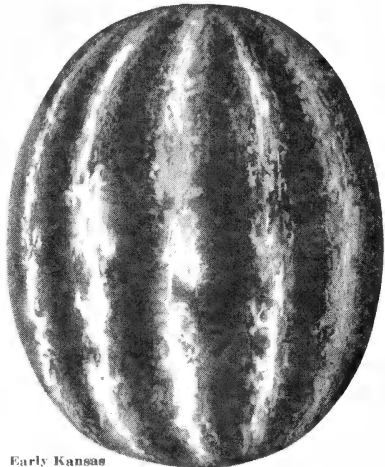
BUCHANAN'S WATERMELON SEEDS

HOW TO GROW MELONS—Rich, sandy loam soils are considered best for Watermelons, but good crops are grown on any type of well-drained, fertile soil. The adding of well-rotted manure to soil will give the plants a good start, and to commercial growers we recommend an application of 600 to 800 pounds of commercial fertilizer (analyzing about 6 per cent nitrogen, 8 per cent phosphoric acid, and 6 per cent potash) to the acre. The best yields are procured when the hills are spaced at least 10 feet apart. This method will give about 350 hills to the acre. When the soil has become warm, drop 6 to 8 seeds in each hill and cover about 1 inch deep. Later thin to 2 to 3 of the largest plants. Earlier crops may be obtained by protecting the young plants with Hotkaps (see Index). Give shallow cultivation every 10 days. One ounce will plant 25 hills; 2 to 3 pounds per acre.

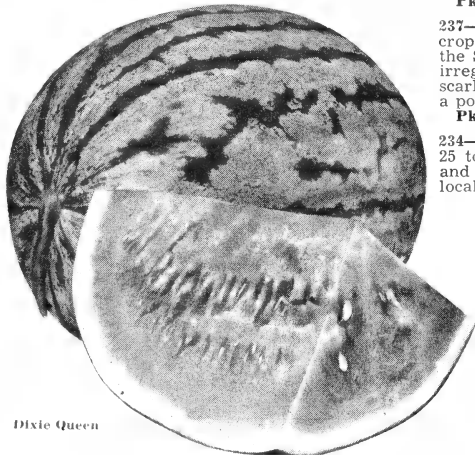
All Prices on this Page Post Paid. All 10c Pkts., 3 for 25c
Quantity Prices—See Yellow Price List Enclosed



Stone Mountain Melon



Early Kansas



Dixie Queen

232—FLORIDA GIANT (92 days)—This melon has recently become very popular throughout the South. It makes vigorous vine growth, does not sunburn as easily as many varieties and develops attractive fruits of enormous size that commonly weigh 50 to 75 pounds, and under ideal growing conditions may attain a weight of 100 pounds. It is oval-round; skin color dark green and the rind is thick, making it an excellent shipper even though large. The flesh is a rich red, firm and unusually sweet. It is a prolific bearer and ideally suited to our Southern soils and climate.

Pkt., 5c; oz., 10c; 2 ozs., 20c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c; 5 lbs., \$3.80

255—NEW STONE MOUNTAIN (Select Strain) (90 days)—One of the finest, sweetest, largest medium early Watermelons. Under favorable conditions, fruits weigh from 40 to 60 pounds, and ripen in 85 to 90 days. The fruit is almost round or square-shaped with rich, dark green, medium thick rind, and dazzling scarlet flesh of luscious sweetness. It has few seeds, is firm and solid, almost all heart, and truly an unsurpassed table delicacy. The rind is sufficiently tough to stand considerable handling, making it an excellent shipper. It is very prolific, withstands drouth, and will produce a fine crop of good melons when other varieties fail. It is the most popular round-type Watermelon for the home garden or market.

Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 70c; 5 lbs., \$2.75

241—EARLY KANSAS (Originator's Strain) (80 days)—The Early Kansas has finest texture, sweet flavor and melting, bright red meat, solid to the rind, which is about one-half inch thick. Nearly round in form, light green with broad bands of wavy stripes, growing 30 to 50 pound melons, with some specimens up to 60 pounds. It is a very robust grower, heavy deep-rooting vines assure a heavy cropper; the productiveness is equal to or better than any other melon; under normal conditions 800 to 1,000 melons per acre, weighing 30 pounds each, is not unusual, and every melon a good one, no white or stringy hearts, and a wonderful shipper.

Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 65c; 5 lbs., \$2.70

228—DIXIE QUEEN (85 days)—Almost round or square-shaped fruits, light green, veined with darker green; medium but tough, thin rind; richest scarlet flesh. Average weight 35 pounds, although under favorable conditions many will attain a weight of 60 pounds. Its quality, convenient size and shape make it very popular, more especially in certain markets that are now demanding smaller Watermelons. It is juicy and sweet. The small white seeds are very few. A splendid shipper and unsurpassed for the home melon patch.

Pkt., 5c; oz., 10c; 2 ozs., 20c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c; 5 lbs., \$3.80

236—COLE'S EARLY (75 days)—A leading early, productive variety for home gardens and local markets, especially profitable for a first crop. Fruits medium size, short, oval, with alternate dark and light green stripes. The flesh is red, very firm and of delicious flavor.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 65c; 5 lbs., \$2.70

237—GEORGIA RATTLESNAKE (90 days)—A very productive main crop home garden and shipping variety that has been an old favorite in the South for many years. The melons are large, long, gray green with irregular dark green stripes and with very tough rind. Flesh is bright scarlet, very sweet and of fine quality. Its attractive coloring makes it a popular market melon.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 60c; 5 lbs., \$2.60

234—WINONA (90 days)—The fruits are medium size, oblong, weighing 25 to 35 pounds. Color very dark green, flesh crimson-red, crisp, sweet and fine texture. A vigorous and prolific melon for home gardens and local markets.

Pkt., 5c; oz., 10c; 2 ozs., 20c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 80c; 5 lbs., \$3.50.

STATE CERTIFIED WATERMELON SEEDS

THE BEST

THE PUREST

Try these most carefully selected seed.

229—NEW STONE MOUNTAIN.

230—TOM WATSON

242—IMPROVED KLECKLEY SWEET.

Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., 95c; 5 lbs., \$4.20.

254—DIXIE QUEEN.

239—FLORIDA GIANT

Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 50c; ½ lb., 75c; 1 lb., \$1.25; 5 lbs., \$5.35.



BUCHANAN'S WATERMELON SEEDS

231—LEESBURG (Wilt Resistant) (85 days)—It is almost immune to wilt. This desirable strain was developed from Kleckley's Sweet and retains its outstanding, delicious flavor. However, it has better shape, uniformity, and on account of its thin, hard, tough rind, is an ideal commercial melon. It is vigorous and productive and because of its deep root system continues to bear under adverse weather conditions. The flesh is a rich reddish pink with no trace of white hearts; sweet and tender.

Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 30c; ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.00

240—BUCHANAN'S IMPROVED CUT RED TOM WATSON WATERMELON (90 days)—The real red meat Tom Watson. Its tough, medium thick, elastic rind makes it the finest shipper. Our seed are selected from the largest, finest melons in the field and is bred to eliminate hard, white centers. Flesh deep red, juicy and sweet, weigh 40 to 60 pounds.

Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 70c; 5 lbs., \$2.75

233—IMPROVED KLECKLEY'S SWEET OR WONDERMELON (87 days)—Those who think they know Watermelons will tell you that until you have eaten a slice of Improved Kleckley's or Wondermelon, you haven't really tasted the finest flavor to be found in Watermelons. All of the sparkling, crisp, bright crimson meat is deliciously sweet right up to the thin rind. For the home garden we recommend it without reserve; it carries well for short distances, for the rind, though thin, is very tough. It is not unusual to have them weigh 50 pounds or more.

Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 70c; 5 lbs., \$2.75

235—HALBERT HONEY (85 days)—Similar to Kleckley Sweet, but earlier, and slightly larger. The flesh is a most beautiful crimson, and the rich coloring and luscious quality extending to the thin rind. It is unusually sweet and free of stringiness. Melons are oblong, dark green, very uniform in shape and size. Fine for home use and nearby market.

Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; ½ lb., 40c; 1 lb., 65c; 5 lbs., \$2.70

239—HAWKESBURY WILT RESISTANT (85 days)—Probably the best all purpose gray watermelon introduced to date. Because of its wilt resistance and superior qualities it should replace all other gray melons. Hawkesbury is a long melon, slightly tapering to either end, medium to large in size. Flesh is bright watermelon red with no trace of stringiness or coarseness and of excellent flavor. It's tough rind makes it an ideal shipping melon and it is equally desirable for home use.

Pkt., 5c; oz., 10c; 2 ozs., 20c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 90c; 5 lbs., \$3.85



Each HOTKAP is a small hothouse, to speed development as well as protect. HOTKAPS mean stronger, healthier plants, with larger and earlier yields—and premium price result! Crops protected with HOTKAPS get to market 2 to 3 weeks earlier, sometimes more. Their slight cost is returned many times in higher prices.

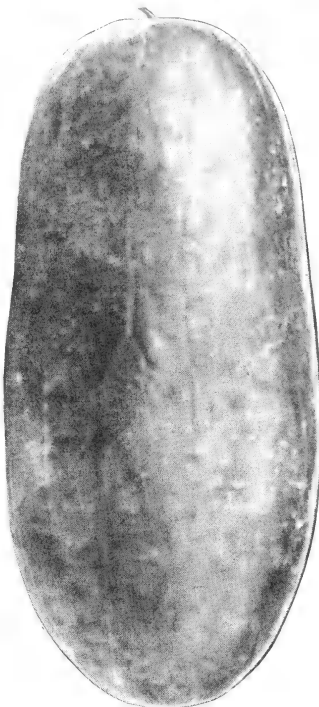
HOTKAPS are patented wax paper cones, placed over the seed or plant. They maintain perfect mulch around each plant, by preventing drying and crusting of the ground. They are easy to set out.

HOTKAPS ARE INEXPENSIVE

Germaco HOTKAPS come in rolls of 1,000 each, and in smaller special trial or garden packages. For field use, use the steel HOTKAP setter.

Prices on Germaco HOTKAPS

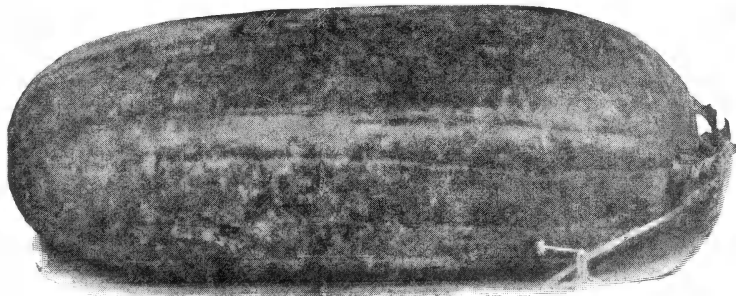
	At Store	Post Paid		At Store
25	\$.50	\$.65	10,000 or more.....	\$10.50 per M
1,000 or more.....	11.00 per M	11.60		10.25 per M
2,000 or more.....	10.75 per M		25,000 or more.....	\$1.60; post paid \$1.75
Steel HOTKAP setter and tamper.....				.50; post paid .60
Garden setter (light metal), each.....				.35; post paid .35
Steel tamper, each.....				2.85; post paid 3.00
Special 100 package (contains 100 HOTKAPS, garden setter and tamper).....				4.25; post paid 4.50
Special 250 package (contains 250 HOTKAPS, garden setter and tamper).....				5.95; post paid 6.45
Special 500 package (contains 500) HOTKAPS, no setter and tamper, each.....				



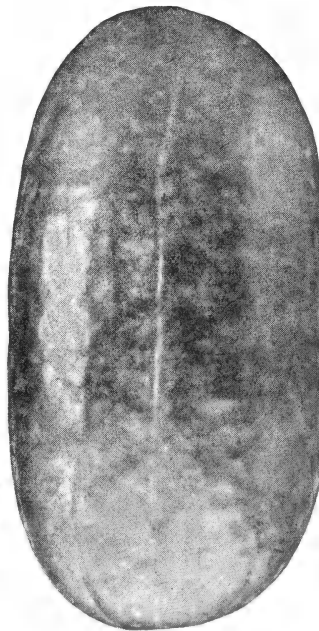
Cut Red Tom Watson

HOTKAPS

PROTECT PLANTS
FROM FROST,
WIND, RAIN,
AND
INSECTS



Leesburg



Halbert Honey

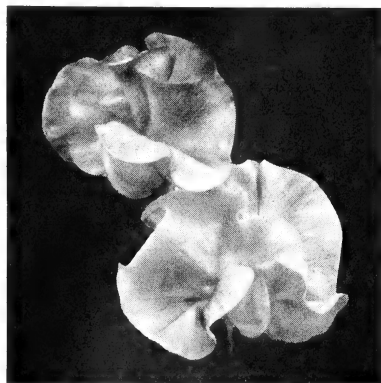


BUCHANAN'S FLOWER SEEDS

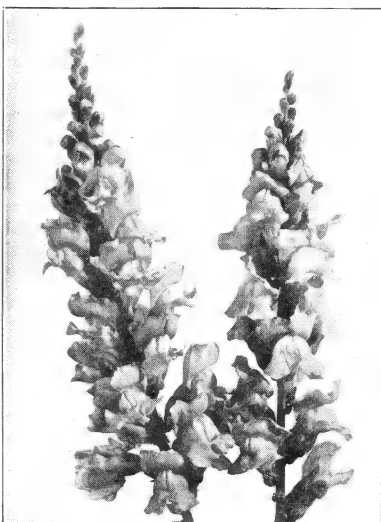
CULTURAL DIRECTIONS are printed on the packets. By following them almost any person will have fair success in the culture of flowers. While some seeds need special treatment, the following general rules will apply to all: Make the surface of the soil as fine, smooth and level as possible; do not plant when the ground is wet; cover each lot of seeds to a uniform depth, which should not be more than four or six times the diameter of the seed; press the soil firmly over the seed; plant in rows so that the starting plants can be seen easily, thin out the young plants to prevent crowding and keep entirely free from weeds. Never allow the seedlings to suffer from drouth.

All Prices on this Page Post Paid

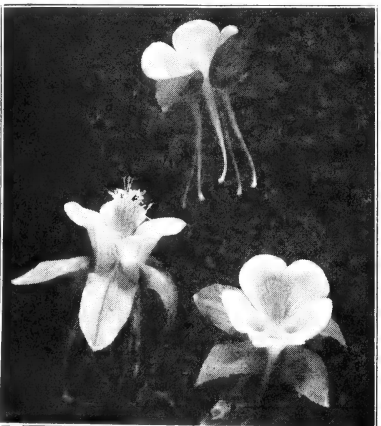
All 10c Pkts. 3 for 25c—7 for 50c



Sweet Peas



Antirrhinum (Snapdragon)



Aquilegia (Columbine)—Long Spurred

BUCHANAN'S CALIFORNIA GROWN SPENCER SWEET PEAS

		Pkt.	Oz.	$\frac{1}{4}$	Lb.
850	King White. Pure white. Free flowering, very large	.10	.15	.50	1.75
851	Pinkie. Large rose pink	.10	.15	.50	1.75
852	Capri. Clear silver blue. Long stems	.10	.15	.50	1.75
853	Fiery Cross. Brilliant orange cerise	.10	.15	.50	1.75
854	Ambition. Rich lavender with sheen of rose pink	.10	.15	.50	1.75
855	Warrior. Rich red maroon flushed with bronze	.10	.15	.50	1.75
856	Debutante. Salmon shaded coral	.10	.15	.50	1.75
857	Dobbie's Cream. Deep cream with waved petals	.10	.15	.50	1.75
858	Powercourt. Large lavender	.10	.15	.50	1.75
859	Rubicund. Crimson scarlet	.10	.15	.50	1.75
860	Royal Purple. Rich purple	.10	.15	.50	1.75
861	Prince of Orange. Deep orange	.10	.15	.50	1.75
876	Unrivaled Mixture. Beautiful blend of all above varieties	.10	.15	.35	1.25
875	Ruffled Mixture	.10	.15	.45	1.50

EARLY FLOWERING SPENCER SWEET PEAS

825	Improved Snowstorm. Finest white	.15	.40	1.25	4.00
826	Grenadier. Dazzling poppy scarlet	.15	.50	1.50	5.00
828	Burpee's Salmon. Rich salmon overlaid with copery sheen	.15	.40	1.25	4.00
829	Zvolanek's Rose. Bright rose pink, very floriferous	.15	.40	1.25	4.00
830	Bluebird. Violet blue	.15	.40	1.25	4.00
831	Glitters. Brilliant, sparkling cerise	.15	.40	1.25	4.00
827	Harmony. Clear lavender, very free flowering	.15	.40	1.25	4.00
832	Mixed. Well balanced of newest and brightest colors	.10	.20	.60	2.00

AGERATUM. Popular summer and fall blooming plants. The dwarf varieties are ideal for borders, rockeries, beds and they, as well as the tall varieties are excellent cut flowers.

506	Midget Blue. The fine delicate foliage is practically covered with true ageratum blue flowers. Really dwarf—grows only 3 to 4 inches high. All America Silver Medal Winner	.25	.10	.35	
501	Little Gem. Dwarf. Deep amethyst blue, compact plants—free flowering	.10	.10	.25	
502	Mixed. Dwarf varieties of blue and white	.10	.10	.25	
500A	ABRONIA (Sand Verbena). A charming trailing plant with verberna-like heads of fragrant flowers of rose with white center	.10	.10	.25	
500B	ARCTOTIS (Blue-eyed African Daisy). (2 to 3 feet high.) Its daisy-like flowers are pearly white with a gold band surrounding a delicate mauve center. Foliage gray green. Good cut-flower	.10	.10	.20	
504	ALYSSUM Little Gem. Small white flowers completely cover the dwarf compact plants which grow only 4 to 5 in. tall. Wonderful for edgings	.10	.10	.15	
507	Violet Queen. A beautiful fragrant sweet Alyssum of bright violet hue holding its color through the hottest weather. The best violet edging plant we know	.10	.10	.40	
505	Sweet Alyssum. Flowers white and honey scented, an early bloomer and continues until frost. 8 to 10 in. high	.10	.10	.15	
503	Saxatile Compactum. (Hardy Alyssum.) Eight inches, dwarf, cream or straw color	.10	.10	.25	
508	AMARANTHUS (Mixed). Brilliant foliage plant. Useful for bedding and background. Grows 4 to 5 feet	.10	.10	.15	

ANTIRRHINUM (Snapdragon). Beautiful spikes of gaily colored flowers. Excellent for beds, borders and cut flowers. Easily grown from seed.

TALL FLOWERING. 24 to 36 inches.

514	Firefly (Scarlet)	511	Golden King (Yellow)	.10	.75
512	Venus (Soft Pink)	513	Rose Queen (Rose Pink)	.10	.75
510	Harmony (Terra Cotta orange, shaded rose)			.10	.75
515A	Silver Pink (Exquisite Light Pink)			.10	.75
515	Tall Mixed	516	Dwarf Mixed	.10	.45
517	UNIVERSITY OF CALIFORNIA RUST PROOF MIXTURE. Full range of popular shades, 85% rust resistant. Awarded certificate of Honor			.10	.50
	AQUILEGIA (Columbine). Graceful plants, bloom early, preferring partial shade and considerable moisture				
520	MRS. SCOTT ELLIOTT STRAIN. Single (Longspurred Mixed). Finest Columbine in existence. These perennials delight in part shade			.15	1.00



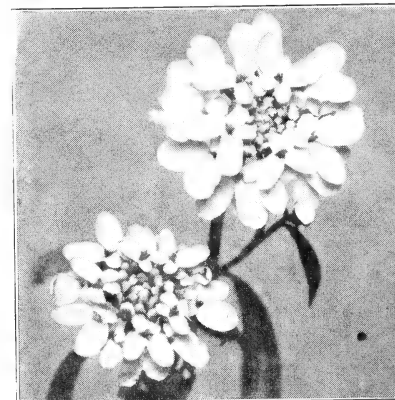
All Prices on this Page Post Paid.

All 10c Pkts. 3 for 25c—7 for 50c

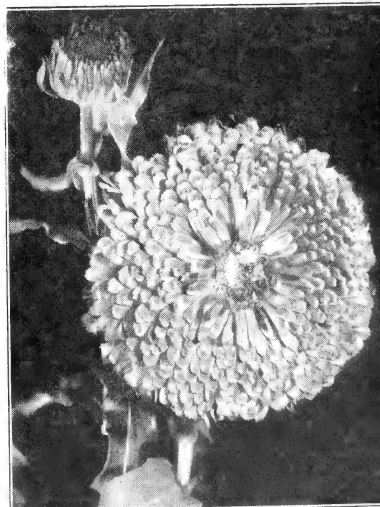
533	ASTER GIANTS OF CALIFORNIA. (Mixed Colors.) Magnificent, giant-flowered Aster with very large, elegant flowers composed of broad, loosely arranged petals gracefully curved and interlaced. The blooms are carried on stems 18 to 24 inches long. A rather late bloomer. Mixed.....			.15	.75
527	Aster. Giant Comet. Flowers of immense size, often 6 inches across. Long, wavy, twisted petals, gracefully formed into dense globe, resembling Chrysanthemums. Mixed.....			.10	.40
519	Aster. Early Express. Earliest blooming of all the Comet Asters. Flowers large and full. Finest mixed.....			.10	.50
	Aster. American branching wilt resistant. Highly resistant to fusarium wilt, for which there is no remedy. Full petaled, extra large flowers of fine form.				
522	Purple	523 Pink	524 Red	.10	.45
525	Mixed			.10	.40
528A	Aster. New Giant California Sunshine. Fascinating new type rightly called the most beautiful in the world. Flowers are composed of a single row of loosely placed outer petals which contrast the unique yellow quill-like center.....			.15	.85
530	Aster. Crego Wilt Resistant. Largest of the Ostrich Plume type. Long curled petals. Very double. Mixed.....			.10	.40
534	BACHELOR'S BUTTON. Fine everlastings, bearing clover-shaped flowers, which if cut when ripe and hung heads down to dry will retain their beauty. Mixed.....			.10	.15
	DOUBLE BALSAM (Touch-Me-Not). Produces the double flowers clustered in the axils of the leaves on very short stems.				
537	Balsam (Camellia Flowered Mixed).....			.10	.15
537A	Balsam. Double Salmon Pink.....			.10	.20
538	Balsam Apple 539 Balsam (Pear).....			.10	.15
541	Bellis (English Daisy). Dainty, perennial plants for rockeries and edging. Produce delightful, double, white and rose flowers. Mixed.....			.10	.50
544	BRACHYCOME (Swan River Daisy). Dwarf, daisy-like, blue, white, and lavender flowers.....			.10	.30
540	CACTUS. Fancy dwarf mixture. Easily grown. Start in boxes and transplant to pots or outdoors after frost danger, using well drained sandy loam.....			.25	..
545	CALENDULA (Pot Marigold). Calendulas bloom all summer and thrive anywhere. Flowers exhibit every shade of yellow from ivory to deep orange. Well adapted for cutting, being borne upon long stems. Mixed. All the double sorts.....			.10	.15
543	Calendula Chrysantha. Gold medal winner. A distinct type which is outstanding among all varieties. The large double flowers are an exquisite shade of clear buttercup yellow and the loosely arranged petals give the appearance of a chrysanthemum.....			.10	.15
545A	Calendula Radio. The flowers are medium size, good depth and clear orange in color. The petals are beautifully quilled which has an extraordinary effect on the appearance of the flower.....			.10	.15
545B	Calendula Lemon Queen. A charming variety supplying large blossoms of clear lemon yellow. Florists' favorite yellow.....			.10	.15
545C	Calendula Campfire Sensation. A notable recent introduction of vigorous growth with enormous, double flat brilliant orange flowers, with a crimson or scarlet sheen.....			.10	.25
547	Calendula Orange Shaggy. A distinct new type. The petals are long and deeply fringed. Row after row overlap and build up a bloom of the shaggy appearance of some Chrysanthemums. The color is a deep orange shading to a lighter tone. Plants are about eighteen inches high.....			.10	.15



American Branching Aster



Candytuft (Page 30)



Calendula (Pot Marigold)



sects on both plants and animals. Controls poultry lice and feather mites. Directions on labels. Post paid—1 oz., 40c; 5 ozs., \$1.10; 1 lb., \$2.40; 2 lbs., \$3.45; 5 lbs., \$6.10; 10 lbs., \$10.95. At Store—1 oz., 35c; 5 ozs., \$1.00; 1-lb. tin, \$2.25; 2-lb. tin, \$3.25; 5 lbs., \$5.85; 10-lb. tin, \$10.60.

WITH

Black Leaf 40

Try to keep insects from getting a start. They are easier to kill when young. Spray flowers and

vegetables early with "Black Leaf 40." Kills insects both by contact and by fumes, and is quick acting. No waiting for results with "Black Leaf 40." Concentrated—a little makes a lot of spray. HAS MANY USES. "Black Leaf 40" is versatile. When sprayed on the lower branches of shrubs and evergreens, it keeps dogs away. Kills in-



Cornflower



Heavenly Blue Morning Glory



Centaurea (Sweet Sultan)

All Prices on this Page Post Paid
All 10c Pkts. 3 for 25c—7 for 50c

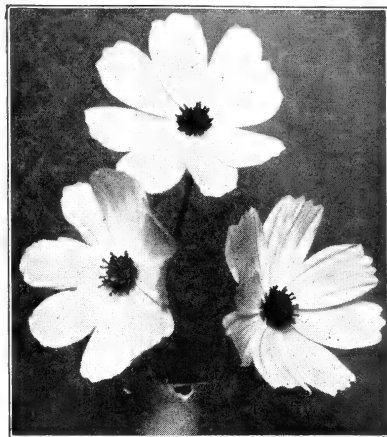
	Pkt.	¼ Oz.
546 CALLIOPSIS. Showy annual with daisy-like flowers, in striking shades of crimson, orange and gold. Very free flowering. Tall mixed.....	.10	.15
548 CANDYTUFT. A dwarf annual of easiest culture; free-blooming, showy, and useful for beds, borders and edgings. Sow seeds where plants are to bloom, in rows of 6 or 8 inches apart, thinning out to afford plenty of room, as they branch quite freely. Height 1 ft. Finest mixed.....	.10	.15
548A Candytuft (Giant Hyacinth Flowered White). This distinct type is a very handsome border plant. Several large bold floral spikes, each resembling a well formed Hyacinth, are grouped upright about a stout stem.....	.10	.15
550 CANTERBURY BELL. Handsome, hardy biennial of stately growth, rich color and profuse bloom. Has large bell-shaped flowers, are effective in various colors. Height 2 to 4 feet. Mixed .....	.10	.15
551 CARDINAL CLIMBER. A new and brilliant colored annual climber. Flowers glowing scarlet. 1½ inches in diameter, the tube being 1¼ inches in length. Vines attain a height of from 20 to 30 feet .....	.10	.30
CARNATION. Delightfully fragrant flowers. Bloom within 5 months from seed. Hardy in moderate climates. Sow seed in January to March and transplant when large enough to handle.		
552 Marguerite—Giant Mixed. Immense double flowers.....	.10	.30
552A Giant Cardinal Red .....	.15	.90
CELOSIA (Cockcomb). Of easy culture. Thrives in light soil. Fine border plants, in bloom from mid-summer until frost. When grown as large specimens they are of unrivaled beauty. For filling flower beds and borders these plants are now largely used during summer in city parks.		
555 Tall, Mixed .....	.10	.40
556 Dwarf, Mixed .....	.10	.40
557 CENTAUREA MOSCHATA. Sweet Sultan. Produces long stemmed blossoms 2½ inches across and very fragrant. Colors range through white, pink, red, blue, lilac and royal purple. finest mixed .....	.10	.15
559 CENTAUREA CANDIDISSIMA. Dusty Miller, 16 in., very decorative foliage plants with attractive fern-like frosty white leaves. Highly recommended for edging beds of bright colored flowers .....	.10	.50
CHRYSANTHEMUM. Very showy and easily grown, producing single and double flowers of various colors.		
560 Single Mixed. Fine for cutting and makes a pretty display..	.10	.15
561 Double Mixed. Many colors, red, white, yellow, pink and rose .....	.10	.15
562 COBEA SCANDENS (Cup and Saucer Vine). 15-20 feet. A climber of rapid growth with beautiful bell shape flowers; valuable for covering trellises and arbors. Finest mixed....	.10	.20
563 COLEUS. Plants with richly colored foliage of maroon, green, crimson, yellow, etc. For groups on lawns, and rib-boning, they are indispensable, and also valuable for pot culture. Hybrid Rainbow Mixture .....	.15	..
CONVOLVULUS (Morning Glory). Showy flowers in a variety of colors. Sow where plants are to bloom.		
564 Heavenly Blue. A deep, intense sky blue, shading lighter toward the center. Flowers are large and freely produced..	.10	.20
565 Scarlet O'Hara. An entirely new color in Morning Glory, being a rich wine red. Flowers not as large as Heavenly Blue but of good size. Borne in profusion until frost. ....	.15	.50
567. Double Rose Marie. A new and unusually lovely Morning Glory. It is easily grown and produces exquisite double rose-pink blossoms in profusion. Combine with Heavenly Blue for a color combination unexcelled.....	.10	.20
568 Giant Mixed .....	.10	.15
569 Japanese Mixed. Colors run from snow-white through all tones of blue, red and purple with unusual star-like markings which radiate from the throat. ....	.10	.15
CORNFLOWER. A graceful, old-fashioned plant, which blooms freely throughout the entire summer and usually re-seeds itself. They will grow in most any soil, and are in great demand as cut flowers.		
572 Double Blue .....	.10	.15
573 Double Mixed .....	.10	.15
573A Double Pink .....	.10	.15
COREOPSIS. Hardy, easily grown perennial, 2 ft. high. Producing large bright yellow flowers in great profusion		
574 Semi Double .....	.10	.15
570 Coreopsis Grandiflora Double Sunburst. Retains the beauty of coloring of the single flower while augmenting its effect of brilliance through the doubling of petals. ....	.10	.30



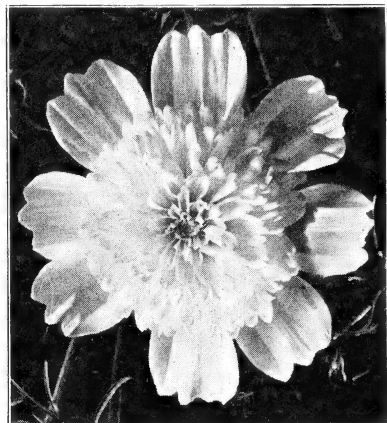
All Prices on this Page Post Paid

All 10c Pkts. 3 for 25c—7 for 50c

	Pkt.	Oz.
579 CORN (Ornamental Rainbow). Small ears with multicolored grains in rich, decorative hues. A group or string is a novel ornament for the sun porch and is especially attractive combined with ornamental gourds .....	.10	.15
COSMOS (Giant). Flowers measure from 2½ to 4 inches across, petals fringed, pinked, toothed and plain, and in colors from pure white through shades of pink, red and orange.		
575 Giant White (Early) .....	.10	.15
576 Giant Crimson (Early) 577 Giant Pink (Early).....	.10	.15
578 Giant Sensation (Pink). New early strain. Flowers 4 to 5 in. in diameter with broad, fluted petals that slightly overlap....	.10	.30
578A Orange Flare. A gold medal winner. A rich glowing cut-and-come-again cosmos that blooms from midsummer till frost. The strong plants, 4 feet high, are covered with brilliant blooms and present a gorgeous sight. It is an early flowering strain of Klondyke.....	.10	.20
580 Giant Early. Mixed .....	.10	.15
DOUBLE CRESTED. The plants are similar to other cosmos, but the blooms are distinct in having double crowns, giving them a very dainty and exquisite appearance. Aside from their beauty, the blooms are lasting both on the plant and as cut flowers.		
581 Pink Beauty .....	.15	.75
581B White Queen .....	.15	.75
581C Choice Mixed .....	.15	.60
586 CYPRESS VINE. 15 feet; rapid growing climber; star-like red and white flowers and feathery foliage. Mixed.....	.10	.15
586A Red .....	.10	.15
587 CLARKIA. Quite hardy and constant bloomer in brilliant shades of rose, red, pink and purple. Excellent cut flower. Choice Mixed .....	.10	.20
582 CUPHEA FIREFLY. A colorful dwarf edging plant which, in full bloom resembles a little Christmas bush. The flowers are small and delicately formed, butterfly like in appearance, fiery cerise red in color. Excellent for rockeries and window boxes .....	.15	.60
590 CROTALARIA. Very effective cut-flower plant, resembling Lupines. 2 ft. tall, wide branching plant with long spikes of lemon-yellow, pea-shaped blossoms. ....	.10	.15
DAHLIA. A favorite for autumn flowering, blooming the first season from seed if started early. The flowers are unusually decorative and the range of colors wide and varied.		
588 Finest Single Mixed. Will produce brilliant flowers running through a wide range of striking colors.....	.10	.25
589 Finest Double Mixed. Choicest double flowers, including shades of red, pink, dark maroon, yellow, white, etc.....	.10	.75
593 SHASTA DAISY (Alaska). A splendid hardy perennial with flowers of glistening white frequently 3 inches across.....	.10	.35
594 Shasta Daisy (Conqueror). Pure white, double flowers as large as Shasta Daisy Alaska, borne on stems 2½-3 ft. in length .....	.10	.35
599 DIDISCUS (Blue Lace Flower). Grows 2 ft. high, long stems, produces silver-blue-lacy-flowers. Constant bloomer.....	.10	.25
DELPHINIUM (Hardy Perennial Larkspur). Delphiniums are among the most beautiful and widely used perennials for garden display and cutting. The regal stateliness of their colorful spikes is unequalled by any other flower.		
601 Wrexham's Double Hollyhock Strain.....	.25	1.75
600 Single Mixed, tall.....	.10	.15
605 DIANTHUS (Clove Pinks). Very fragrant and dainty. Ideal for borders, beds and rockeries. Single and double mixed..	.15	.45
602 Heddebergi (Japanese Pinks). Large double flowers with brilliant colorings. They bloom from June until frost.....	.10	.15
603 Chinese—Double Mixed. 604 Chinese—Single Mixed.....	.10	.15
ESCHSCHOLTZIA (California Poppy). A hardy free-flowering annual, growing about 15 inches high and producing quantities of single, poppy-shaped blooms in shades of yellow, orange and red. Flowers over a long period.		
606 Brilliant Mixed .....	.10	.15
606B The Geisha. Brilliant gold and crimson. Fluted.....	.10	.20
610 FORGET-ME-NOT. A pretty little old-fashioned perennial, producing its flowers in early summer. Quite hardy once it is established; flowers blue.....	.15	.50
610A CYNOGLOSSUM. Amabile (Chinese Forget-Me-Not) Blue annual flowers .....	.10	.15
611 EUPHORBIA. Snow on the Mountain. 2-3 ft., remarkable distinct decorative plant. Leaves light green edged with white. Bushy plants, suitable for cutting to mix with flowers, but in greatest demand as a showy, border plant.....	.10	.15
612 FOUR O'CLOCK (Marvel of Peru). Old garden favorite. The bushy plants are covered with hundreds of single, round flowers in many colors. Fine for planting along fences.....	.10	.15



Early Orange Flare



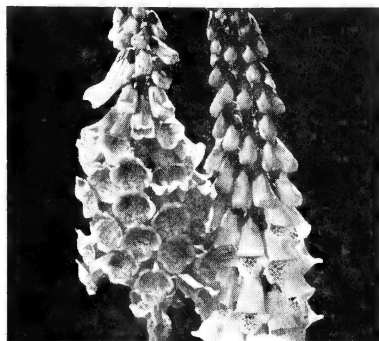
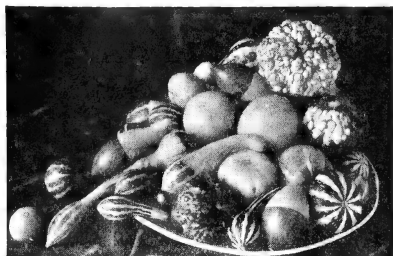
Double Crested Cosmos



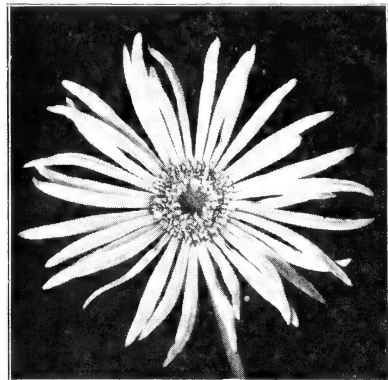
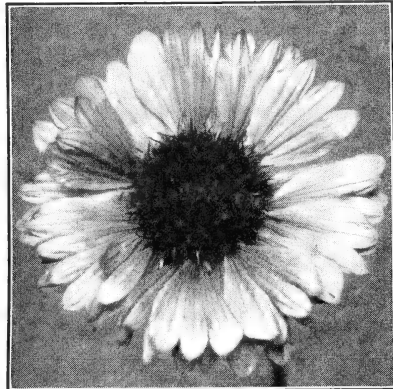
Shasta Daisy



All Prices on this Page Post Paid

All 10c Pkts. 3 for 25c—7 for 50c
1/4
Pkt. Oz.Foxglove (*Digitalis*)

Ornamental Gourds

Gerbera (*Transvaal Daisy*)

Gaillardia

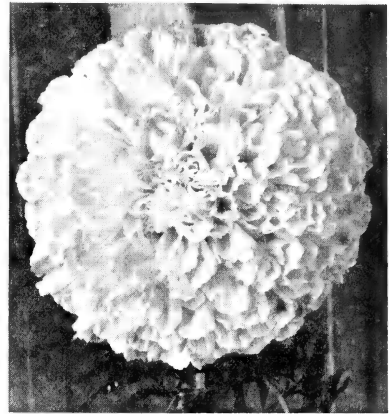
- 613 **FOXGLOVE** (*Digitalis*). Dense spikes of brilliant white, yellow, pink and lavender flowers. Their long spikes are crowded with large thimble-shaped blossoms beautifully spotted on the exposed interior surfaces. Plant among shrubs or in beds. Mixed..... .25 ..
- 615 **GAILLARDIA** (*Blanket Flower*). Gorgeously colored, long-stemmed, daisy-like flowers from June to October. Fine for cutting. Easily grown; will flower the first year if seed is sown early. Mixed..... .10 .20
- 615A **THE DAZZLER**. Intense maroon red and golden yellow. This is a reselected strain of giant perennial Gaillardia. Very largest dark, rich red with bright orange petal tips, extra long strong stems and very attractive for cut flowers..... .10 .30
- 616 **GERBERA** (*Transvaal Daisy*). 24 in. The most perfectly formed daisy-like blossoms, 2 to 4 inches across, being borne on long stems, are unsurpassed as cut flowers. They are easily grown from seed and will commence flowering the first year. The colors include a wilderness of tints, from dove white through amber, pale yellow, orange, salmon, rose, cerise and ruby-red to violet. Pkt., 25 seeds..... .25 ..
- 618 **GERANIUM**. Grows 1 to 2 ft. high. These grow readily from seed and produce blooming plants the first summer. Choice mixed..... .25 ..
- 617 **GODETIA**. Sow in the open ground in the early spring. The azalea-like flowers are borne in profusion, and their delicate tints of crimson, rose-pink and white make them very attractive in the garden and for cut flowers. Dwarf varieties mixed..... .10 .20
- 619 **GILIA** (*Blue Thimble Flower*). Beautiful bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender blue flowers. Choice mixed..... .10 .15
- 620 **GOMPHRENA** (*Globe Amaranth*). A desirable everlasting, valued for its handsome globular heads of flowers which can be dried and used in winter bouquets. Choice mixed..... .10 .15
- 621 **Gomphrena**. Dark red..... .10 .15
- 628 **GOURDS**. A tribe of climbers with curiously shaped and colored fruit. Being of rapid growth they are fine to cover old fences, trellises, stumps, etc. Mixed..... .10 .15
- GYPSOPHILA** (*Baby's Breath*). Graceful plants of light fairy-like growth. Much in demand for cutting and combining with other flowers for bouquets and vases.
- 630 **London Market, Annual White**..... .10 .15
- 630A **Paniculata, Perennial White, Single**..... .10 .15
- 631 **Elegans Mixed, Annual**..... .10 .15
- 631A **Elegans Rosea, Annual Soft Pink**..... .10 .15
- HELIANTHUS** (*Sunflower*)—3 to 6 feet. Double golden yellow. Of easiest culture. Suitable for backgrounds, screens and to plant among shrubbery. In bloom from June until frost. 632 Dwarf Mixed. 633 Tall Mixed..... .10 .15
- 634 **Stella** (*Miniature Sunflower*). Plants grow 3 feet high with many spreading branches. Their large single golden-yellow flowers with black centers are excellent for cutting..... .10 .15
- HELICHRYSUM** (*Straw Flower*). Bright, attractive annual, of free growth, producing in abundance large double flowers. Dry for winter bouquets.
- 635 **Mixed**..... .10 .20
- 635C **Fireball, Bright Scarlet**..... .10 .20
- 635B **Violet Queen**..... .10 .20
- 635D **Rose Queen**..... .10 .20
- 636 **HELIOTROPE**. Very fragrant. Flowers equally as bedding or house plants. Profuse bloomer of lilac-like flowers. Mixed..... .15 ..
- HOLLYHOCK**. Grand summer and autumn flowering plants, bearing long spikes of flowers, 3 to 4 inches across. They are old garden inhabitants, but are now so improved in doubleness and size, as to be a revelation of gorgeous beauty.
- 637 **Single Mixed**..... .10 .15
- 638 **Double Mixed**..... .10 .40
- 639 **Double, Yellow**..... .10 .50
- 640 **Double, Red**..... .10 .50
- 641 **Double, White**..... .10 .50
- 642 **Newport, Pink, Double**..... .10 .50
- 643 **Buchanan's Collection of Double Hollyhocks**. One packet each of four separate colors..... .30 ..
- 629 **Indian Spring. (Annual.)** All America Selection. Profuse bloomer producing colorful display of semi-double, crinkly edged flowers of light pink to crimson rose shades..... .10 .50
- HYACINTH BEAN** (*Jack Bean*). Annual climbers, of rapid growth, 10 feet high, with wistaria-like clusters of flowers, followed by bronzy-purple seed pods.
- 645 **Purple**..... .10 .15
- 646 **Mixed**..... .10 .15
- 652 **KUDZU VINE** (*Jack-and-the-Bean-Stalk*). Flourishes where nothing else will grow. The brightest green foliage affords a dense shade. A pretty climber with rosy purple wistaria-like flower clusters..... .10 .15



All Prices on this Page Post Paid

All 10c Pkts. 3 for 25c—7 for 50c

	Pkt.	Oz.
653 KOCHIA —Mexican Fire Plant. Makes a pyramidal-shaped, cypress-like bush with feathery light-green foliage, deepening until it becomes a lovely crimson hue about September. . . . .	.10	.15
654 LANTANA . Constant bloomer with verbena-like flowers in red, pink, yellow and white. Ideal for bedding or planting among shrubs. Insect resistant. Hybrid mixed. . . . .	.15	.35
LARKSPUR (Annual Delphinium) . Double Stock Flowered Popular garden annuals. This splendid class grows 3 to 4 feet high and bears flowers on long stems, rendering them of exceptional value for cutting purposes. They are of easy culture, thriving in almost any soil—but a sunny situation suits best.		
655A Double Dark Blue . . . . .	.10	.15
657 Double Light Blue . . . . .	.10	.15
658 Lustrous Carmine (deep carmine rose) . . . . .	.10	.15
659 Emperor Mixed . Produces an abundance of long, slender spikes in the most delicate colors. Compact plants 2 to 3 ft. . . . .	.10	.15
LARKSPUR GIANT IMPERIAL . Tall, upright, compact in habit, the Giant Imperials have superseded all other types of Larkspurs. Stems are 4 to 5 feet long and the plants require only one-half space needed for the old stock flowered type.		
656 Exquisite Pink . . . . .	.10	.25
647 White Spire . . . . .	.10	.25
649 Dark Blue Spire . . . . .	.10	.25
648 Coral King . . . . .	.10	.25
650 Mixed . . . . .	.10	.20
661 LATHRYUS LATIFOLIUS (Perennial Sweet Pea) . A decorative climbing sweet pea. Choice mixed. . . . .	.10	.15
663 LINUM (Crimson Flax) . One of the most brilliantly colored of summer annuals, flowers glowing crimson-rose. Very beautiful in beds and borders, and may be had in bloom from May to October by successive sowings. . . . .	.10	.15
663A LINUM . Perennial blue. . . . .	.10	.15
664 LOBELIA . Lobelias require rich soil and plenty of water. The annual varieties, 4 to 6 inches, are extensively used for edging baskets and urns. Mixed. . . . .	.10	.25
664A LUPIN . Long, graceful spikes of pea-shaped flowers. Fine for bedding and cutting. Easily grown and prefers shady, moist location. Giant Mixed. . . . .	.10	.15
738 Texas Bluebonnet . Native Southern blue, annual lupine. Reseeds itself. Beautiful for bedding and cutting. . . . .	.10	.15
662 Russell's Lupines . The finest strain of perennial Lupines in the world. The immense, long spikes come in shades of blues, pinks, reds, yellows, purples, etc. In such exquisite shades as never before seen in lupines. Free blooming—ideal for cutting . . . . .	.15	.60
MARIGOLD . The African varieties produce large self-colored blossoms on tall plants; the French are smaller, but the colors and markings are very interesting and varied.		
669 New Giant Goldsmith . The flowers are a rich golden orange. 4 to 5 inches in diameter with petals that curl and twist to form a perfect ball-shaped, incurved flower. It is of medium height with giant chrysanthemum blooms borne on long stems on a plant that branches from the base and flowers very early. Very vigorous. . . . .	.25	..
670B Spry . All America Silver Medal Winner 1941. The most profuse blooming of all Marigolds. Plants are true Lilliput form, extremely dwarf and compact, being about 9 inches high and spreading 15 inches. Flowers 1½ inches across, have a bright clear yellow crested center surrounded by several rows of mahogany-red guard petals. . . . .	.20	..
671 Gigantea Sunset Giant . Early. 4 ft. The flowers are showy, fragrant and the largest ever known in the Marigold group, averaging 5 to 7½ inches and are produced in great profusion. Sunset Giants is a mixture ranging from deep orange through golden yellow, lemon yellow and primrose. . . . .	.10	.35
671A Double Harmony . Excellent, dwarf, compact plants. Flowers golden yellow, bordered maroon red. Scabious shaped. . . . .	.10	.25
670 Dixie Sunshine . Flowers 2 to 2½ inches across, are fully double and ball shaped and daintily fringed in effect and are a brilliant lemon yellow. Late but profuse bloomer. . . . .	.10	.50
670A Crown of Gold . 1937 Gold Medal Winner. Lovely, golden orange flowers with full crested center surrounded by single row of broad guard petals. Odorless. . . . .	.10	.35
667A Legion of Honor (Little Brownie) . Very popular single variety of compact growth, about 9 inches high. Produces masses of golden yellow flowers with velvet brown centers . . . . .	.10	.15
667B Robert Beist . Dwarf, double, French Strain. Deep rich, mahogany red. Blooms profusely. . . . .	.10	.15
665 African Tall Double . Large, perfect, doubled, quilled flowers of rich orange and yellow shades. Mixed. . . . .	.10	.20
668 French Dwarf Double Mixed . . . . .	.10	.15



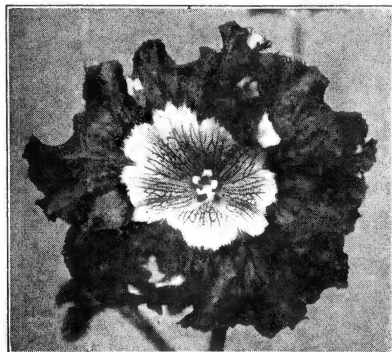
Gigantea Sunset Giant (Marigold)



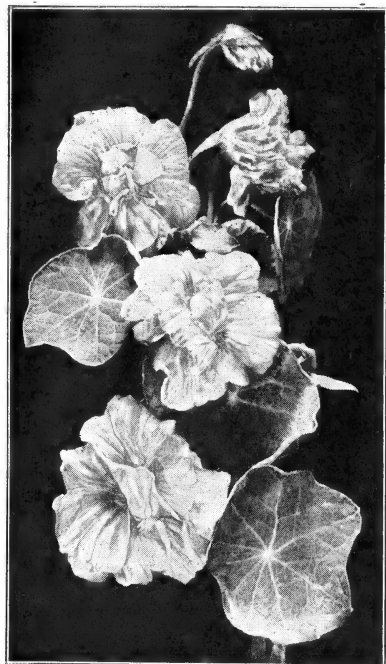
Larkspur



African Tall Double Marigold



Buck Brand Fringed Petunia (page 35)



Double Gleam Hybrid Nasturtium



Pansies

All Prices on this Page Post Paid

All 10c Pkts. 3 for 25c—7 for 50c

MARIGOLD CONTINUED

	Pkt.	¼ Oz.
668A Guinea Gold. Produces a neat, compact plant, about 2½ feet high, literally covered with blossoms. The flowers, about 2½ inches across, are semi-double in character, and loosely ruffled. The color is a brilliant golden orange.....	.10	.20
668B Yellow Supreme. Gold Medal Winner. Primrose yellow, carnation flowered, all double, odorless flowers, 2½ inches across.....	.10	.25
669 MATRICARIA (Summer Chrysanthemum). Small double white quilled flowers, well adapted for bedding and cutting.....	.10	.20

MOON FLOWERS. Rapid growing annual climber, related to the family of Morning Glories; have dense foliage and large, beautiful blooms. Soak seed before planting.

672 White Hybrid. At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers.....	.10	.15
673 Bona Nox. Throats deep purple shading to lavender.....	.10	.15
673A Heavenly Blue. The flowers measure from 3½-4 in. across, sky-blue with white throat.....	.10	.25

MORNING GLORY (see Convolvulus page 30).

NICOTIANA (Sweet Scented Tobacco Plant). 2 ft. petunia-like flowers, the petals form a beautiful five-pointed star. Very fragrant annual. Continuous bloomer.

674 Affinis (Tuberose-flowered Tobacco). Free flowering with deliciously scented tubular white flowers.....	.10	.15
674A Sanderae Hybrids. Large flowering hybrids. Very showy, in a great variety of colors.....	.10	.15

BUCHANAN'S NASTURTIUMS

Sow the seed where it is to remain after danger of frost is over. Easily grown.

	Pkt.	Oz.	¼ Lb.
675A Dwarf Double Gem Mixture. A compact growing strain of the semi-double, sweet-scented Gleam Nasturtiums, ideal for border and edging. The plants are truly dwarf and compact and the color range excellent.....	.10	.20	.40
676A Nasturtium—Golden Gleam. Large, golden-yellow semi-double flowers, very fragrant.....	.10	.15	.35
676B Double Gleam Hybrids. Beautiful new colors, ranging from pale primrose (almost white) through yellow, orange, salmon and gold, salmon-pink, rose, rare art shades, cerise, scarlet, crimson, blood-red, deep maroon and mahogany. There are flowers of solid colors, uniform throughout, and others with showy markings of contrasting colors. The flowers are quite dazzling in their scintillating brilliance. All are sweetly perfumed and measure 3 inches across.....	.10	.15	.35
676C Scarlet Gleam. Sweet scented and very double. A fiery orange scarlet and profusely free blooming. Even more showy than the vivid yellow of Golden Gleam.....	.10	.15	.35
675 Dwarf Mixed. Gorgeous and brilliant flowers. All shades and colors of dwarf growing single varieties.....	.05	.10	.30
676 Tall or Climbing (Mixed). Of quick growth. The brilliant blossoms almost cover the plant from top to bottom. Ideal window box plant.....	.05	.10	.30

	Pkt.	¼ Oz.
677 NIGELLA (Love-in-the-Mist). Lovely, old fashioned annual with attractive double flowers, nestled among fine, feathery foliage. Splendid for cutting and bedding. Blooms profusely. Blue and white mixed.....	.10	.15
678 Miss Jekyll. A lovely variety, bearing on long stems, large semi-double flowers of a lovely bright blue.....	.10	.15
679 OENOTHERA (Evening Scented Primrose). Large, single, poppy-shape flowers which open at dusk. Fine for borders and bedding. Of easiest culture in a sunny location. Mixed.....	.10	.15

680 PANSIES. Giant Trimardeau Mixed. Our stock of this variety produces as large pansies as can be grown. Flowers of richest, most varied shades, generally marked with three large blotches are borne on strong, stiff stems long enough for cutting. Desirable for beds and edgings.....	.25	
680A Pansies. Swiss Roggli's Giants. The marvelous Swiss Pansies cannot be praised too highly. The plants are of exceptionally strong and robust growth, while the flowers are unusually large, perfectly round, with overlapping petals of heavy substance. They are borne freely on long, sturdy stems well above the rich green foliage. Very effective in beds and borders, and most desirable for cutting. Finest mixed.....	.35	
681 Pansies, Mixed. Very large flowers of exceptionally fine form and substance, usually ruffled and beautifully veined and blotched.....	.20	



BUCHANAN'S PETUNIAS

Sow the small seeds in a warm, sunny, open place outdoors, thinning to 15 inches apart, or in frames for transplanting. Scatter seeds thinly, barely cover and firm soil; water seedlings with a fine spray to prevent drying out.

Petunia seed is very fine and very expensive, therefore very few seeds in each packet. The double large flowering petunia costs us (\$100.00) one hundred dollars for (1 oz.) one ounce.

All Prices on this Page Post Paid

All 10c Pkts. 3 for 25c—7 for 50c

Pkt. Oz.

- 694 **Giant Double Ruffled and Fringed.** Magnificent color range which can be confidently expected to produce 95 per cent double flowers. Pkt. 100 seeds..... .35
- 686 **Giants of California.** A large-flowering strain with fringed and ruffled flowers of rich, velvety colors and deep yellow throats. This mixture is the first picking from the choicest plants. Pkt. 300 seeds..... .25
- 684 **Dwarf Giants of California.** RAMONA STRAIN; magnificent large ruffled flowers borne profusely. This strain is outstanding not only for its compact habit, but also for its marvelous color range. Pkt. 200 seed..... .25
- 686A **Theodosia.** Single, largest fringed rose, gold throat. Pkt. 200 seeds..... .25
- 685 **Buck Brand Fringed Mixed.** Flowers are very large and ruffled with open shallow throats. The colors are mostly the desirable red and dark shades richly marked and veined. This is one of the fanciest types of petunias. Pkt. 300 seeds..... .25
- 695 **Dainty Lady.** New Yellow Petunia. Granted awards of merit in both Europe and America. The flowers are of medium size and daintily fringed, delicate light yellow deepening to golden yellow at the throat..... .25
- 696 **Hollywood Star.** Silver Medal Winner. This lovely new Petunia is a charming shade of rich rose with an amber throat. Its unique form is that of a five pointed star. Very free blooming, early and a vigorous grower..... .15 1.50
- 682 **Flaming Velvet.** A sensation because of the uniform excellence of its velvety, rich, blood-red flower. Plants are semi-compact, about 15 inches in height and uniform..... .15 1.35
- 693B **Elks Pride.** Largest, darkest and best velvety purple..... .15



Petunia

- BALCONY VARIETIES.** Single large flowering sorts. The trailing branches perfect them for porch boxes.
- 689 **Rose 690 Scarlet 691 Purple**..... .15 1.50
- 692 **Balcony Mixed**..... .15 1.00

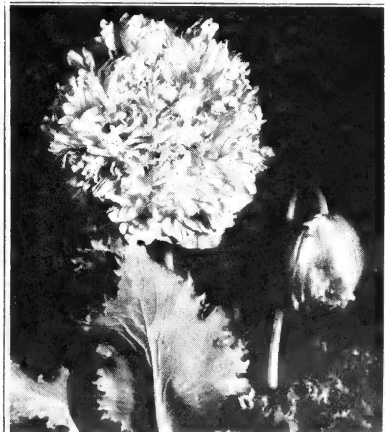


Phlox

- DWARF BORDER PETUNIAS.** Excellent for edging and bedding. Compact, free flowering.
- 683 **Alderman.** Dark violet-blue with darker throat of velvety appearance. The best dwarf, bedding purple..... .10 .50
- 687 **Striped and Blotched.** Includes striped or blotched flowers in a wide range of brilliant colors. A fine bedder..... .10 .50
- 693 **Rosy Morn.** Compact in habit of plant and producing profusely clear rosy pink flowers with white throat. Excellent for borders, beds and boxes..... .10 .65
- 693D **Rose of Heaven.** Rich brilliant rose..... .10 .75
- 697 **Celestial.** Rich satiny rose. Blooms profusely and is more compact throughout the season than Rosy Morn..... .10 1.25
- 693A **Silver Blue.** Dwarf; Rosy Morn type. Very silvery, beautiful new light blue..... .15 1.50
- 693C **Snow Queen.** Pure satiny white; the compact bushes are completely covered with snow white flowers..... .10 .65
- 688 **Dwarf Mixed.** Plants compact growing. A choice mixture of many shades and colors. Very desirable for small beds..... .10 .50

- PHLOX.** The Phloxes are the showiest and most easily raised of all Annuals. Brilliant coloring and long flowering season.
- 700 **Drummond-Mixed**..... .15 .85
- 701 **Snowball.** Pure White 702 **Fireball.** Blood-red..... .15 .90
- 703 **Star Mixed**..... .15 .90
- 704 **Violet Purple**..... .15 .90

- 705 **PHYSALIS (Chinese Lantern Plant).** Grows 1½ feet. Flowers yellow with dark center. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese Lanterns..... .10 .30



Double Poppy

- POPPIES.** Poppies are noted for their satiny flowers of silk-like texture, in many brilliant color combinations. The foliage is delicate and the blossoms are airily poised on slender stems.

DOUBLE ANNUAL FLOWERING POPPIES

- 706A **Eldorado.** Double Shirley, new fine range of colors..... .10 .15
- 706B **Deep Pink-Shirley.** Double satiny flowers of deep pink, the most popular of the new poppies..... .10 .15
- 707 **Iceland Sunbeam Hybrids.** Brilliant array of colors..... .10 .50

SINGLE ANNUAL FLOWERING POPPIES

- 708 **Tulip.** Large Tulip shaped flowers of dazzling scarlet..... .10 .15
- 709 **Oriental Mixed.** The most striking colors of the poppy family..... .10 .40
- 706 **Shirley Mixed.** Beautiful colors of rose, apricot, salmon pink..... .10 .15
- 712 **American Legion.** A dazzling orange scarlet of enormous size borne on long stout stems..... .10 .15



BUCK BRAND TESTED SEEDS



Pyrethrum Roseum (Painted Daisy)



Salvia



Verbena

All Prices on this Page Post Paid

All 10c Pkts. 3 for 25c—7 for 50c

		Pkt.	¼ Oz.
713	PHYSOSTEGIA—False Dragon Head. One of the prettiest hardy perennials producing tall, decorative spikes of a delicate shade of orchid. Blooms freely all summer.....	.10	.65
	PORTULACA (Rose Moss). Luxurious, free-flowering all summer with brilliant colors of orange, rose, scarlet, white and yellow for beds, borders and rockwork. Forms masses of very dwarf plants. Prefers hot, dry location.		
715	Single, Mixed.....15c—75c	.15	1.25
716	Double, Mixed.....		
718	RICINUS (Castor Oil Beans). Garden annual of luxuriant growth with large palm-like leaves; very attractive on account of their semi-tropical effect. The colors of the foliage are very rich, ranging from green to deep bronze. Mixed..	.05	.15
717	PYRETHRUM ROSEUM. (Painted Daisy). Lacy, fern like foliage, 2 ft. plant with 1-2 ft. spread. Wiry stems with slender petalled daisies 3 in. across, produced in shades of white and pink to deep rose and crimson. Finest mixed.....	.15	.75
720	SALPIGLOSSIS (Painted Tongue). This free flowering annual is rich in deep color tones rare in the floral world. Each funnel shaped flower of crimson, yellow, purple, pink, etc., are exquisitely veined with gold. Grows 2 to 4 ft. high....	.10	.25
	SALVIA OR SCARLET SAGE. The brilliant annual scarlet salvias so highly valued in beds and borders are equalled in beauty by the perennial tall, lavender-blue <i>Farinacea</i> . Universally popular and delight in warm, sunny locations.		
721	Splendens. The old favorite bedding variety, producing during the summer and fall dazzling scarlet flowers in profusion.	.15	1.00
722	Bonfire. A new dwarf scarlet sage of dense, compact growth.	.15	1.25
723	Farinacea. Lavender blue flowers. Perennial (3½ ft.).....	.15	.75
725	SCARLET RUNNER VINE. Rapidly growing annual reaches a height of 15 feet, produces showy scarlet sweet pea-shaped blossoms .....	.05	.10
726	SCABIOSA (Mourning Bride). A very beautiful plant and a great favorite with gardeners, splendidly adapted for beds, borders and cutting. The flowers are full, fluffy and exquisitely colored and borne on long graceful stems. Mixed....	.10	.15
726A	Ageratum Blue	.10	.15
726B	Black Prince (Purple)	.10	.15
726C	Fiery Scarlet	.10	.15
726D	Rose		
726E	Yellow		
727	Imperial Giant Blue Moon. Deep, lavender blue. New type. Flowers very large and deep. Stems 27 in. Flowers all petals, no Pin-cushion type.....	.15	.75
728	SCHIZANTHUS (Butterfly Flower). The branching plants are covered with dainty, exquisite, orchid-like flowers borne in plumes on loose spikes over lacy foliage. Wide color range with fancy throat markings. Prefers cool, moist location...	.10	.15
	STOCKS (Gilliflower). Heavy spikes of fine, double fragrant flowers like small rosettes for borders, bedding and cutting. For brilliancy and diversity of color, profusion and for long blooming they are unsurpassed.		
731	Dwarf Ten Weeks—Mixed. Blooms earlier than other types	.10	.25
732	Giant Perfection (Cut-and-Come-Again)—Mixed. Produce enormous plants with long, full flower stalks.....	.10	.60
	SWEET WILLIAM. Handsomely colored and marked flowers borne on stiff stems and form round heads or clusters 3 to 4 inches across. Grows 18 in. high.		
724	White	.10	.60
724A	Crimson		
730	Newport Pink	.10	.60
736	Single, Mixed 10c—15c	.10	.20
737	Double, Mixed		
739	THUNBERGIA (Black-eyed Susan). Rapid-growing annual climbers, preferring sunny situation; used extensively for hanging baskets, vases, low fences, etc.....	.10	.25
	TITHONIA. Brilliant orange-scarlet, single, dahlia-like flowers, 3 to 4 in. across. Excellent for cutting and tall backgrounds. Blooms in the fall.		
733	Mexican Sunflower. Orange vermillion.....	.10	.35
735	Grandiflora Fireball. Tithonia Fireball produces dazzling scarlet orange blossoms with clear yellow centers. Very brilliant and showy.....	.15	.85
734	TORENIA. Rich green bushy plants 1 ft. high. Trumpet flowers, richest blue with contrasting yellow lip and throat	.20	..
740	TRITOMA (Red Hot Poker, Torch Lily). Tall spikes of brilliant orange-red flowers, makes splendid cut flowers....	.10	.40
	VERBENA. Mammoth Flowering.		
741	Purple	.10	.35
742	Scarlet		
743	White	.10	.35
744	Pink	.10	.35
745	Yellow		
746	Mixed	.10	.35
747	Beauty of Oxford Hybrids. Brilliant rose pink shading to rose red. The most brilliant color in verbenas.....	.15	.75
749	VENIDIUM. Large brilliant orange flowers, 3 in. across with black-purple zone at base of ray petals and a dark center..	.15	1.25
	VINCA (Periwinkle). Ornamental free blooming plants, with dark laurel-like foliage and handsome pink and white flowers.		
750	White	.10	.50
751	White with Eye		
751 Pink			
753	Mixed	.10	.50
729	VIOLA (Tufted Pansy). A beautiful, colorful pansy-like bedding plant. Blooms profusely all summer.....	.15	.75



BUCK BRAND TESTED SEEDS

Buchanan's Quantity Price List January 10th, 1942

All prices quoted in this list are present values and subject to change without notice. We do not, however, expect many changes, and our customers may rely upon receiving the very lowest prices current at the time their orders are received.

TERMS—As the prices are NET CASH, a remittance must accompany all orders. These prices are F. O. B. Memphis, sacks included. Freight or express charges must be paid by the purchaser. Read page 2 regarding Parcel Post Rates—it is easy to figure parcel post with our map.

PARCEL POST—When any items ordered from these prices are to be sent by parcel post, sufficient money must be added to the following prices to pay postage. If more money is sent than the amount of postage, we will return same. Parcel post is easy to figure, you will find a map on page 2, also the amount of postage figured, 1 pound to 70 pounds through the eighth zone from Memphis. Use this map, it will save you money.

NON-WARRANTY—R. B. Buchanan Seed Company, Inc., give no warranty, express or implied, as to description, quality, productiveness or any other matter, of any seeds, bulbs, plants, fertilizers, insecticides, etc., they send out and will not in any way be responsible for the crop. Purity and germination, when given, are the results of tests, but are without warranty. If the purchaser does not accept the goods on these terms, they are to be returned at once and the amount paid for them will be refunded.

BEANS, BUSH—Green Pod—Bu. 60 lbs.

	Gal.	Pk.	Bu.	Sack
(Page 6)	7 1/2 lbs.	15 lbs.	60 lbs.	100 lbs.
41 Black Valentine (Stringless).....	\$ 1.05	\$ 1.80	\$ 6.90	\$11.25
40 Burpee's Stringless	1.05	1.80	6.90	11.25
45 Full Measure	1.10	1.90	7.20	11.75
44 Giant Stringless	1.05	1.80	6.90	11.25
37 Red Valentine (Improved).....	1.05	1.80	6.90	11.25
38 Tennessee Green Pod.....	1.05	1.80	6.90	11.25
42 New Stringless or Tender Green ..	1.10	1.90	7.20	11.75
39 U. S. Refugee No. 5.....	1.15	1.95	7.50	12.00

BEANS, BUSH—Wax Pod—Bu. 60 lbs.

	Gal.	Pk.	Bu.	Sack
(Page 6)	7 1/2 lbs.	15 lbs.	60 lbs.	100 lbs.
58 Golden Wax (Improved).....	\$ 1.05	\$ 1.80	\$ 6.90	\$11.25
59 Sure Crop Wax (Stringless).....	1.05	1.80	6.90	11.25

BEANS, POLE OR RUNNING—

	Gal.	Pk.	Bu.	Sack
Bu. 60 lbs. (Page 7)	7 1/2 lbs.	15 lbs.	60 lbs.	100 lbs.
67 Kentucky Wonder	\$ 1.05	\$ 1.80	\$ 6.90	\$11.25
65 McCaslin	1.10	1.90	7.20	11.75
66 Striped, Scott's or Cornfield.....	1.05	1.80	6.90	11.25
68 White Creaseback	1.05	1.80	6.90	11.25
71 White Kentucky Wonder.....	1.10	1.90	7.20	11.75
72 Ideal Market	1.10	1.90	7.20	11.75
64 Kentucky Wonder Wax.....	1.10	1.90	7.20	11.75

BEANS, BUSH LIMA—Bu. 60 lbs.

	Gal.	Pk.	Bu.	Sack
(Page 8)	7 1/2 lbs.	15 lbs.	60 lbs.	100 lbs.
48 Fordhook Bush	\$ 1.40	\$ 2.40	\$ 9.00	\$14.50
49 Henderson's Bush	1.05	1.80	6.90	11.25
46 Jackson Wonder-Bush Callico.....	1.05	1.80	6.90	11.25
50 Baby Potato Bush Lima.....	1.40	2.40	9.00	14.50

BEANS, POLE LIMA—Bu. 60 lbs.

	Gal.	Pk.	Bu.	Sack
(Page 8)	7 1/2 lbs.	15 lbs.	60 lbs.	100 lbs.
78 Carolina or Sieva.....	\$ 1.05	\$ 1.80	\$ 6.90	\$11.25
79 Calico Lima	1.05	1.80	6.90	11.25
80 Monstrous Lima	1.15	1.95	7.50	12.00
77 Large Speckled or Christmas.....	1.40	2.40	9.00	14.50

BEANS, FIELD OR SHELL

	Gal.	Pk.	Bu.	Sack
Bu. 60 lbs. (Page 7)	7 1/2 lbs.	15 lbs.	60 lbs.	100 lbs.
62 Great Northern	\$ 0.85	\$ 1.50	\$ 5.40	\$ 8.50
61 Pinto	1.15	1.90	6.90	11.25
63 Red Kidney	1.15	2.25	8.40	13.50
61 White Navy .....	.85	1.50	5.40	8.50

TABLE BEETS—(Page 9)

	1/4 lb.	1/2 lb.	1 lb.	5 lbs.
24 Crosby's Egyptian	\$ 0.50	\$ 0.90	\$ 1.65	\$ 8.00
19 Crimson Globe .....	.50	.95	1.75	8.50
23 Detroit Dark Red.....	.55	.95	1.75	8.50
21 Early Blood Turnip.....	.50	.90	1.65	8.00
18 Early Wonder .....	.50	.95	1.75	8.50
17 Market Gardener .....	.50	.95	1.75	8.50
26 Swiss Chard .....	.40	.65	1.15	5.50

SUGAR BEETS OR MANGELS—(Page 9)

	1 lb.	5 lbs.	10 lbs.
28 Giant Half Sugar Mangel.....	\$ 0.45	\$ 0.75	\$ 3.35
30 Mammoth Long Red.....	.55	.90	4.00

BRUSSELS SPROUTS, BROCCOLI—(Page 10)

	Oz.	1/4 lb.	1/2 lb.	1 lb.
9 Broccoli (Green sprouting).....	\$ 0.25	\$ 0.35	\$ 1.65	\$ 3.20
3 Brussels Sprouts .....	.25	.85	1.65	3.20
100 Cauliflower, Early Snowball.....	2.85	8.25	...	...

CABBAGE—(Page 11)

	1/4 lb.	1/2 lb.	1 lb.	5 lbs.
85 All Seasons	\$ 0.50	\$ 0.85	\$ 1.50	\$ 6.65
87 Chas. Wakefield .....	.50	.85	1.50	6.65
83 Chinese Cabbage-Chihill .....	.50	.85	1.50	6.65
94 Copenhagen Market .....	.90	1.60	2.90	13.65
90 Drumhead (Early) .....	.80	1.40	2.50	11.65
92 Drumhead, Large (Late).....	.50	.85	1.50	6.65
100 Drumhead Savoy .....	.80	1.45	2.70	12.65
101 Flat Dutch (Early).....	.50	.85	1.50	6.65
93 Flat Dutch (Late) .....	.50	.85	1.50	6.65
84 Golden Acre .....	.95	1.70	3.20	15.15
80 Jersey Wakefield .....	.80	1.40	2.50	11.65
91 Succession .....	.50	.85	1.50	6.65

CABBAGE PLANTS—Frost Proof—

	(Page 5)	1000	3000	12000
All Varieties		\$ 1.95	\$ 5.40	\$19.80

CARROTS—(Page 10)

	1/4 lb.	1/2 lb.	1 lb.	5 lbs.
108 Chantaney	\$ 0.90	\$ 1.65	\$ 3.20	\$ 16.00
105 Danvers—H. Long .....	.90	1.65	3.20	15.00
106 Long Orange (Improved).....	.90	1.65	3.20	15.00
103 Oxheart .....	.90	1.65	3.20	15.00
104 Scarlet Horn (Early).....	.75	1.40	2.80	13.00
107 Yellow Belgian (Large).....	.75	1.40	2.80	13.00

COLLARDS—(Page 10)

	1/4 lb.	1/2 lb.	1 lb.	5 lbs.
127 Georgia White Cabbage	\$ 0.20	\$ 0.30	\$ 0.45	\$ 2.00
126 Southern or Blue Stem .....	.20	.30	.45	2.00

CORN, GARDEN—(Pages 13 and 14)

	1/2 Gal.	Gal.	Pk.	Bu.
136 Adam's Large Early, Bu. 56 lbs.	\$ 0.40	\$ 0.70	\$ 1.20	\$ 4.25
135 Adam's (Extra Early), Bu. 56 lbs.	.40	.75	1.30	4.75
140 Country Gentleman, Bu. 48 lbs.	.50	.90	1.50	5.25
141 Early Surprise, Northern, Bu. 56 lbs.	.35	.60	.95	3.00
134 Golden Bantam, Bu. 48 lbs.	.50	.90	1.50	5.25
139 Golden Cross Bantam, Hybrid, Bu. 48 lbs.	.85	1.45	2.60	9.35
133 Stowell's Evergreen Hybrid, Bu. 48 lbs.	1.25	2.00	3.75	12.75
131 Honey & Jumbo, Bu. 48 lbs.	.75	1.25	2.15	7.50
138 Stowell's Evergreen, Bu. 48 lbs.	.50	.85	1.40	4.95
137 Trucker's Favorite, Bu. 56 lbs.	.35	.60	.95	3.00
132 Whipple's Early (Yellow), Bu. 48 lbs.	.50	.90	1.50	5.25

CUCUMBERS—(Page 15)

	1/4 lb.	1/2 lb.	1 lb.	3 lbs.
161 A-1 Cucumber	\$ 0.50	\$ 0.80	\$ 1.55	\$ 4.35
160 Chicago Pickle .....	.35	.50	.90	2.40
162 Davis Perfect .....	.35	.50	.90	2.40
164 Early Fortune .....	.35	.55	1.00	2.70
163 Early Green Cluster .....	.35	.50	.90	2.40
166 Long Green (Improved).....	.50	.85	1.60	4.50
159 Stays Green .....	.35	.55	1.00	2.70
158 Straight 8 .....	.45	.75	1.40	3.90
165 White Spine (Improved).....	.35	.50	.90	2.40

EGG PLANT ENDIVE—(Page 10)

	Oz.	1/4 lb.	1/2 lb.	1 lb.
182 New Hampshire Hybrid Egg Plant.....	\$ 0.35	\$ 0.95	\$ 1.65	\$ 3.15
183 Black Beauty Egg Plant.....	.35	.95	1.65	3.15
176 Broad Leaved Endive.....	.15	.30	.50	.85
175 Large Green Curled Endive.....	.15	.30	.50	.85

KALE—KOHL RABI—LEEK—(Pages 10 and 15)

	1/4 lb.	1/2 lb.	1 lb.	5 lbs.
180 American Flag Leek	\$ 1.35	\$ 2.50	\$ 4.75	...
187 Green Curled Kale (Dwarf Siberian) .....	.25	.40	.75	\$ 3.50
178 White Kohl Rabi (Early).....	.80	1.40	2.60	...

LETTUCE—(Page 16)

	Oz.	1/4 lb.	1/2 lb.	1 lb.
196 Big Boston	\$ 0.15	\$ 0.30	\$ 0.45	\$ 0.75
201 Chicken Lettuce .....	.15	.30	.45	.75
202 Curled Simpson (Early).....	.15	.30	.45	.75
202 Grand Rapids .....	.15	.30	.45	.75
207 Iceberg .....	.15	.30	.45	.75
205 New York or Wonderful .....	.15	.30	.45	1.00
195 Wayhead .....	.15	.30	.45	.75
198 White Cabbage (Early).....	.15	.30	.45	.75
203 Imperial No. 847 .....	.15	.40	.60	1.00

MUSKMELON OR CANTALOUPE—Pages 12 and 13

	1/4 lb.	1/2 lb.	1 lb.	5 lbs.
214 Banana	\$ 0.35	\$ 0.55	\$ 1.00	\$ 4.80
209 Gold Lined Rockford .....	.40	.60	1.10	5.30
222 B. B. Surprise Muskmelon.....	.40	.60	1.10	5.30
220 Hale's Best—No. 45 .....	.30	.50	.90	4.30
218 Hearts of Gold .....	.30	.50	.90	4.30
226 Honey Dew .....	.30	.50	.90	4.30
219 Rockford Green Flesh .....	.30	.50	.90	4.30
210 Queen of Colorado .....	.35	.55	1.00	4.80

MARKET GARDENERS

We sell hundreds of Merchants, Market Gardeners, Truck Associations and those buying vegetable seed in large quantities to grow and ship to Northern Markets. If you will send us a list of vegetable seeds wanted in quantities, we will price same and return promptly. Some items are short this year, send your list at once.



BUCK BRAND TESTED SEEDS

WATERMELONS—(Pages 26 and 27)

	¼ lb.	½ lb.	1 lb.	5 lbs.	10 lbs.
236 Cole's Early	\$ 0.20	\$ 0.30	\$ 0.55	\$ 2.50	\$ 4.50
240 Cut Red Watson (Select) ..	.20	.35	.60	2.55	4.60
228 Dixie Queen .....	.30	.45	.75	3.60	6.70
241 Early Kansas .....	.20	.35	.55	2.50	4.50
232 Florida Giant .....	.30	.45	.75	3.60	6.70
237 Georgia Rattlesnake .....	.20	.35	.50	2.40	4.30
235 Halbert Honey .....	.20	.35	.55	2.50	4.50
239 Hawkesbury .....	.30	.45	.80	3.65	6.80
233 Imp. Kleckley's or Wonder- melons .....	.20	.35	.60	2.55	4.60
231 Leesburg .....	.25	.40	.65	2.80	5.00
255 New Stone Mountain .....	.20	.35	.60	2.50	4.50
234 Winona .....	.30	.45	.70	3.30	6.00
229 Cert. New Stone Moun- tain .....	.35	.55	.85	4.00	7.50
230 Cert. Tom Watson .....	.35	.55	.85	4.00	7.50
242 Cert. Imp. Kleckley's Sweet .....	.35	.55	.85	4.00	7.50
254 Cert. Dixie Queen .....	.45	.70	1.15	5.15	9.80
239 Cert. Florida Giant .....	.45	.70	1.15	5.15	9.80

MUSTARD—(Page 16)

	¼ lb.	1 lb.	5 lbs.	10 lbs.
244 Elephant Ear	\$ 0.40	\$ 0.65	\$ 3.05	\$ 5.60
245A Florida Broad Leaf .....	.50	.80	3.80	7.10
245 New Chinese .....	.45	.75	3.30	6.10
243 Southern Giant Curled ..	.40	.65	3.05	5.60
243A Southern G. Curled Long standing .....	.45	.75	3.30	6.10
265 Mustard-Spinach .....	.30	.50	2.50	4.50

OKRA—(Page 17)

	¼ lb.	½ lb.	1 lb.	5 lbs.	10 lbs.
251 Clemson Spineless	\$ 0.15	\$ 0.25	\$ 0.35	\$ 1.40	\$ 2.25
250 Dwarf Green .....	.15	.20	.30	1.30	2.10
248 Long Green .....	.15	.20	.30	1.30	2.10
249 White Velvet .....	.15	.20	.30	1.30	2.10
247 White Lightning .....	.15	.25	.35	1.40	2.25

ONION SEED—(Page 17)

	¼ lb.	½ lb.	1 lb.
273 Ebenezer	\$ 1.30	\$ 2.40	\$ 4.65
263 Prizetaker (Straw Color) ..	1.45	2.75	5.40
269 Red Bermuda	1.45	2.75	5.40
262 White Bermuda Wax	1.45	2.75	5.40
263 Yellow Bermuda	1.45	2.75	5.40
258 Yellow Globe Danvers	1.30	2.40	4.65
257 Yellow Sweet Spanish	1.45	2.75	5.40

ONION SETS—Bu. 32 lbs. (Page 17)

	Gal.	Pk.	Bu.	2 Bu.
268 Red Wethershead	\$ 0.60	\$ 1.00	\$ 3.15	\$ 5.95
270 White Multiplier, Bu. 28 lbs.	.60	1.00	.....	.....
267 White (Silverskin) .....	.60	1.00	3.25	6.35
266 Yellow Danvers .....	.60	1.00	3.15	5.95

ONION PLANTS—Bermuda—(Page 5)

	1000	6000
Crystal White Bermuda Wax Plants	\$ 0.95	\$ 4.65
Yellow or Straw Colored Bermuda Plants ...	.95	4.65

PARSLEY—PARSNIP—(Page 17)

	¼ lb.	½ lb.	1 lb.	5 lbs.
274 Champion Moss Curled Parsley ..	\$ 0.25	\$ 0.35	\$ 0.60	\$ 2.75
280 Sugar or Hollow Crown Parsnip ..	.40	.65	1.25	.....

PEAS—English—Smooth—Bu. 60 lbs.

	Gal.	Pk.	Bu.	100 lbs.
234 Alaska Early (Wilt Resistant) ..	\$ 1.05	\$ 2.40	\$ 7.50	\$ 12.00
288 Amer. Large Pod Alaska	1.05	2.00	7.50	12.00
286 First and Best	1.15	2.10	7.95	12.75
294 Large White Marrowfat	1.05	2.00	7.50	12.00

PEAS—English—Wrinkled—Bu. 56 lbs.

	Gal.	Pk.	Bu.	100 lbs.
287 American Wonder	\$ 1.20	\$ 2.20	\$ 8.00	\$ 13.75
298 Bliss Everbearing	1.20	2.20	8.00	13.75
292 Champion of England	1.20	2.20	8.00	13.75
283 Laxton	1.20	2.20	8.00	13.75
297 Laxton Progress	1.20	2.20	8.00	13.75
295 Thomas Laxton	1.20	2.20	8.00	13.75
293 Tall Telephone	1.10	2.10	7.85	13.50
285 Dwarf Telephone	1.20	2.20	8.00	13.75
290 Premium Gem	1.20	2.20	8.00	13.75

PEPPERS—(Page 20)

	Oz.	¼ lb.	½ lb.	1 lb.
302 Bell or Bull Nose	\$ 0.25	\$ 0.70	\$ 1.15	\$ 2.15
300 California Wonder .....	.30	.85	1.35	2.85
303 Chinese Giant .....	.30	.95	1.75	3.40
304 Long Red Cayenne .....	.25	.70	1.25	2.40
312 Pimento .....	.25	.70	1.15	2.15
309 Red Chili .....	.30	.90	1.60	2.90
301 Royal King .....	.25	.70	1.15	2.25
305 World Beater .....	.25	.70	1.15	2.25

PUMPKIN—(Page 21)

	¼ lb.	½ lb.	1 lb.	5 lbs.
315 Cushaw (Green Striped)	\$ 0.25	\$ 0.40	\$ 0.65	\$ 3.00
318 Dickinson .....	.25	.35	.60	2.70
325 Cornfield Pumpkin .....	.15	.20	.25	1.15
314 Kentucky Field (Selected) ..	.15	.25	.35	1.40
316 King of Mammoth .....	.25	.40	.65	3.00
313 Small Sugar .....	.25	.40	.65	3.00
317 Tenn. Sweet Potato .....	.25	.40	.65	3.00

RADISHES—(Page 22)

	¼ lb.	½ lb.	1 lb.	5 lbs.	10 lbs.
348 China Rose Winter	\$ 0.20	\$ 0.35	\$ 0.60	\$ 2.65	\$ 4.80
339 Early Scarlet White Tipped .....	.20	.35	.60	2.65	4.80
350 French Breakfast .....	.20	.35	.60	2.65	4.80
349 Long Black Spanish .....	.20	.35	.60	2.65	4.80
343 Long Scarlet, Short Top ..	.20	.35	.60	2.65	4.80
344 New Perfection, Half White .....	.20	.35	.60	2.65	4.80
351 Scarlet Globe .....	.20	.35	.60	2.65	4.80
352 Scarlet Turnip .....	.20	.35	.60	2.65	4.80
346 White Icicle .....	.20	.35	.60	2.65	4.80

SALSIFY—(Page 23) SQUASH—(Page 21)

	¼ lb.	½ lb.	1 lb.	5 lbs.
363 Early Prolific Straightneck ..	\$ 0.20	\$ 0.35	\$ 0.65	\$ 3.00
372 Golden Yellow Crookneck ..	.20	.35	.60	2.55
367 Golden Custard (Scalloped) ..	.20	.35	.60	2.65
371 Golden Summer Crookneck (Early) .....	.20	.35	.60	2.65
374 Hubbard .....	.20	.40	.75	2.75
368 White Bush Squash (Early) ..	.20	.35	.60	2.65
364 Salsify Mammoth Sandwich Is- land .....	.35	.60	1.15	5.50

SPINACH—(Page 23)

	1 lb.	5 lbs.	10 lbs.	25 lbs.
354 Bloomsdale Savoy (Reselected) ..	\$ 0.75	\$ 3.60	\$ 6.70	\$ 16.00
361 New Zealand Summer .....	.75	3.50	6.70	.....
358 Savoy, Long Standing .....	.65	3.00	5.75	13.75
362 Viroflay (Large Smooth Leaf) ..	.80	3.75	7.20	17.00

TOMATOES—(Pages 24 and 25)

	Oz.	¼ lb.	½ lb.	1 lb.
377 Beefsteak	\$ 0.35	\$ 1.10	\$ 1.90	\$ 3.60
387 Break-O-Day .....	.25	.75	1.45	2.65
397 Brimmer .....	.40	1.10	1.90	3.65
378 Earliana, Special Strain .....	.25	.80	1.35	2.60
391 Greater Baltimore .....	.20	.45	.75	1.40
394 Gulf State Market .....	.25	.80	1.40	2.60
393 Marglobe .....	.20	.45	.80	1.60
382 New Stone .....	.20	.45	.75	1.40
385 Mingold .....	.40	1.45	2.65	5.15
387 Oxheart (Extra Select) .....	.40	1.45	2.65	5.15
381 Ponderosa .....	.35	1.10	1.90	3.65
390 Rutgers .....	.20	.45	.75	1.40
396 Certified Break-O-Day .....	.30	.85	1.50	2.90
392 Certified Greater Baltimore ..	.25	.75	1.30	2.40
394 Certified Grothen Globe .....	.30	.80	1.45	2.85
384 Certified Master Marglobe ..	.30	.80	1.45	2.85
376 Certified Rutgers .....	.30	.85	1.40	2.65

TURNIP SEED—(Page 23)

	¼ lb.	1 lb.	5 lbs.	10 lbs.	25 lbs.
413 Amber Globe	\$ 0.20	\$ 0.30	\$ 1.35	\$ 2.30	\$ 5.25
402 American Red Top Globe .....	.25	.40	1.90	3.40	7.75
411 Aberdeen (Yellow) .....	.20	.30	1.35	2.30	5.25
405 Buchanan's Mixture .....	.15	.25	1.20	2.00	4.50
406 Extra Early White Egg .....	.20	.30	1.25	2.10	4.75
408 Shogoin (Louse Resistant) .....	.40	.70	3.30	6.20	15.00
395 Large White Globe .....	.20	.30	1.25	2.10	4.75
401 Mam-Purple Top Globe .....	.20	.30	1.25	2.10	4.75
399 Purple Top Strap Leaf .....	.15	.25	1.20	2.00	4.50
418 Rutabaga (Imp. P. T.) .....	.45	.80	3.75	7.20	17.50
404 Seven Top .....	.20	.30	1.25	2.10	4.75
403 Southern Prize .....	.20	.30	1.25	2.10	4.75
403 White Flat Dutch .....	.15	.25	1.20	2.00	4.50

FUNK'S G HYBRID SEED CORN—(Page 45)

	Gal.	Pk.	¼ Bu.	½ Bu.	1 Bu.
G-244 Yellow Hybrid	\$ 1.30	\$ 2.25	\$ 4.00	\$ 8.00	.....
G-46 Yellow Hybrid	1.30	2.25	4.00	8.00	.....
G-125 Yellow Hybrid	1.30	2.25	4.00	8.00	.....
G-56 Yellow Hybrid	1.30	2.25	4.00	8.00	.....
G-527W White Hybrid	1.30	2.25	4.00	8.00	.....

SEED CORN—(Hand Selected)

	Gal.	14 lbs.	25 lbs.	¼ Bu.	½ Bu.	1 Bu.	2½ Bu.
(Pages 46 and 47)							
1125 Paymaster	\$ 0.40	\$ 0.75	\$ 1.25	\$ 1.95	\$ 1.85	.....	.....
1123 Hickory King .....	.50	.85	1.40	2.25	2.15	.....	.....
1126 Mosby's Prolific .....	.40	.75	1.25	1.95	1.85	.....	.....
1129 Silver Mine .....	.40	.75	1.20	1.85	1.75	.....	.....
1126 Tenn. White Red Cob .....	.40	.75	1.25	1.95	1.85	.....	.....
1131 Tenn. Yellow Pay- master .....	.50	.85	1.40	2.25	2.15	.....	.....
1144 Jarvis Golden Prolific .....	.40	.75	1.20	1.85	1.75	.....	.....
1142 Reid's Yellow Dent .....	.40	.75	1.20	1.85	1.75	.....	.....
1139 Large Yellow Dent .....	.40	.75	1.20	1.85	1.75	.....	.....
1134 Blue Grain Mexican June .....	.50	.85	1.40	2.25	2.15	.....	.....
1141 State Certified Jarvis Prolific .....	.55	.95	1.50	2.60	2.40	.....	.....
1140 State Certified Paymaster .....	.55	.95	1.50	2.60	2.40	.....	.....

STATE CERTIFIED COTTON SEED

	(Pages 48 and 49)	100 lbs.	1000 lbs.	Ton
State Certified Stoneville No. 2B ..	\$ 7.25	\$ 725	\$ 7000	\$ 135.00
State Certified Delta and Pine Land No. 12A	7.25	725	7000	135.00



BUCK BRAND TESTED SEEDS

ALFALFA AND CLOVER SEED—(Pages 50 and 51)

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
1048 Alfalfa (Oklahoma).....	\$ 3.80	\$ 9.25	\$21.60	\$35.00
1050 Alfalfa (Kansas).....	Write for Prices			
1051 Alfalfa (Dakota).....	4.00	9.75	22.80	37.00
1052 Alfalfa (Argentine).....	2.80	6.50	15.00	24.00
1053 Red Clover.....	2.70	6.50	14.70	24.50
1055 Alskey Clover.....	2.90	6.75	15.60	25.00
1057 Sweet Clover, White Blossom.....	1.90	4.25	9.30	14.00
1056 White Dutch Clover.....	8.75	21.00	48.00	76.00
1060 Crimson Clover.....				
1066 Hop Clover.....	5.50	12.75	28.80	46.00

LESPEDeza—(Page 53)

	10 lbs.	15 lbs.	Bu.	100 lbs.
1061 Common Lespedeza—Bu. 25 lbs.	Write for Prices			
1080 Kobe—Bu. 25 lbs.	Write for Prices			
1079 Korean—Bu. 25 lbs.	Write for Prices			
1077 Sericea Lespedeza—Scarified— Bu. 60 lbs.	Write for Prices			
1078 Tenn. 76—Bu. 25 lbs.	Write for Prices			

BUCK BRAND GRASS SEED—(Pages 52 and 53)

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
1100 Bermuda—Bu. 40 lbs.	\$ 3.70	\$ 8.76	\$14.00	\$33.00
1102 Bermuda (Hulled).....	5.00	12.25	24.00	47.00
1106 Carpet—Bu. 14 lbs.	2.70	5.75	10.50	20.00
1105 Dallas—Bu. 10 lbs.	2.90	6.50	12.00	23.00
1103 Kentucky Blue—Bu. 19 lbs.	2.75	6.25	11.50	22.00
1104 Orchard—Bu. 14 lbs.	Write for Prices			
1101 Red Top—Bu. 40 lbs.	1.85	4.00	7.00	13.00
1107 Rye Grass—Bu. 24 lbs.	1.00	2.35	4.50	8.50
1111 Sudan—Bu. 40 lbs.	.75	1.35	2.40	4.50
1108 Timothy—Bu. 45 lbs.	1.50	3.25	5.75	10.50
1117 Permanent Lawn.....	2.75	6.25	11.75	21.00
1118 Shady Lawn.....	2.95	6.75	12.50	23.00

BUCK BRAND PASTURE MIXTURES—(Page 53)

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
1114 Lowland Pasture No. 3.....	\$ 2.60	\$ 6.00	\$11.00	\$20.00
1116 Permanent Hog Pasture No. 5.....	2.60	6.00	11.00	20.00
1112 Shady Pasture No. 1.....	2.85	6.25	11.75	21.50
1113 Upland Pasture No. 2.....	2.60	6.00	11.00	20.00

SEED OATS—Bu. 32 lbs. (Page 57)

	½ bu.	1 bu.	5 bu.	25 bu.
1275 Ferguson 922.....	\$ 0.65	\$ 1.10	@\$1.00	@\$9.95
1278 Fulgurin.....	.65	1.10	1.00	.85
1280 Red Rust Proof.....	.65	1.10	1.00	.95
1276 Columbia.....	.65	1.10	1.00	.95
1277 New Nortex.....	.65	1.10	1.00	.95

POTATOES—IRISH—Bu. 60 lbs. (Page 54)

	Write for Prices
322 Irish Cobblers, State Certified.....	Write for Prices
323 Lookout Mountain.....	Write for Prices
323 Red Triana, State Certified.....	Write for Prices
White Warba, State Certified.....	Write for Prices
Chippewa, Certified.....	Write for Prices

POTATOES—SEED SWEET—(Page 54)

Sold only in 1-Bu. Hampers, 45 to 50 lbs. Hamper

334 Nancy Hall, State Certified.....	Write for Prices
335 Porto Rico, State Certified.....	Write for Prices

POTATO SLIPS—Sweet, State Certified

—Shipped direct from our growers.
Plants ready April 1st. Catalogue
Page 5.

Certified Nancy Hall Plants.....	500	1000	5000
Certified Porto Rican Plants.....	Write for Prices		

POPCORN SEED—(Page 47)

	1 lb.	10 lbs.	25 lbs.	100 lbs.
34 Yellow Dynamite, Select for Seed.....	\$ 0.15	\$ 1.00	\$ 2.25	\$ 8.50

PEANUTS—Bu. 22 lbs. (Page 54)

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
1177 Peanuts (Spanish).....	\$ 0.90	\$ 2.00	\$ 3.50	\$ 6.50
1178 Peanuts (Tennessee Red).....	1.00	2.15	3.75	7.00

VETCH—Bu. 60 lbs. (Page 57)

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
1176 Vetch (Sandy or Hairy Type).....	Write for Prices			

MILLET—Bu. 50 lbs. (Page 55)

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
1185 German or Golden.....	Write for Prices			
1188 Pearl or Cat Tail.....	\$ 1.00	\$ 2.25	\$ 4.25	\$ 8.25

CANE, SAGRIN, KAFFIR, MILO, ETC.
Bu. 50 lbs. (Page 55)

NON-WARRANTY—Owing to the peculiar hybridization of all cane varieties, it is impossible to guarantee any of the varieties here listed and we do not guarantee that they will come true. All orders for cane varieties are therefore accepted only on these conditions.

Syrup Cane

	10 lbs.	50 lbs.	100 lbs.
1194 Honey Drip Syrup.....	\$ 0.75	\$ 2.50	\$ 4.50
1200 White African.....	Write for Prices		
1201 Iceberg.....	Write for Prices		

Fodder Cane (Page 55)

	10 lbs.	50 lbs.	100 lbs.
1198 Amber for Fodder.....	Write for Prices		
1197 Orange for Fodder.....	Write for Prices		
1199 Red Top for Fodder.....	Write for Prices		
1195 Seeded Ribbon for Ensilage or Fodder.....	Write for Prices		

Grain Sorghum (Non-Saccharine Type) (Page 55)

	10 lbs.	50 lbs.	100 lbs.
1214 Atlas Sorgo.....	Write for Prices		
1211 Groboma.....	Write for Prices		
1215 Hegar.....	\$ 0.65	\$ 1.75	\$ 3.15
1210 Kafir, White.....	.65	1.75	3.15
1213 Milo Malze, Yellow.....	Write for Prices		
1212 Sagrain 303-37.....	.65	1.90	3.50

FIELD PEAS—Bu. 60 lbs. (Page 54)

	Pk.	Bu.	2½ bu.	5 bu.
1239 Black (Running).....	Write for Prices			
1236 Clay (Running).....	Write for Prices			
1237 Mixed.....	Write for Prices			
1238 New Era.....	Write for Prices			
1240 Red Ripper (Running).....	Write for Prices			
1235 Whippoorwill.....	Write for Prices			

Southern Table Peas—(Page 19)

	Gal.	Pk.	Bu.	100 lbs.
1248 Brown Crowder.....	\$ 0.70	\$ 1.30	\$ 4.20	\$ 6.50
1241 Cream Crowder.....	.80	1.35	4.80	7.50
1243 Extra Early Blackeye.....	.70	1.15	3.90	6.00
1246 Gallivant or Lady.....	.80	1.35	4.80	7.50
1242 Rice or Cream.....	.80	1.35	4.80	7.50
1245 White Blackeye (Large).....	.80	1.35	4.80	7.50
1244 White Browneye, Purple Hull.....	.70	1.20	4.20	6.50
1247 Galco (Running).....	.80	1.35	4.80	7.50
1240 Black Crowder (Running).....	.85	1.50	5.10	
1250 Conch or Acre (Running).....	.80	1.35	4.80	7.50
1251 Grey or Silver Crowder.....	.85	1.50	5.10	
1252 Butter Peas (Bunch).....				
1253 Small Cream Crowder (Bunch).....	.85	1.50	5.10	
1254 Taylor or Blue Goose (Running).....	.70	1.20	4.20	6.50

SOY BEANS, VELVET BEANS.

	MUNG BEANS—Bu. 60 lbs. (Page 55)	Pk.	Bu.	2½ bu.
1218 Arksoy.....	Write for Prices			
1224 Biloxi.....	Write for Prices			
1233 Macoupin.....	Write for Prices			
1225 Laredo.....	Write for Prices			
1227 Mammoth Yellow.....	Write for Prices			
1226 Ootootan.....	Write for Prices			
1219 Red Tanner.....	Write for Prices			
1230 Virginia.....	Write for Prices			
1233 Mammoth Brown.....	Write for Prices			
1232 Tokayo.....	Write for Prices			
1231 Delta.....	Write for Prices			
1231 Mamloxi.....	Write for Prices			
1229 Mung Beans.....	Write for Prices			
1232 Velvet Beans (Early Speckled).....	Write for Prices			

MISCELLANEOUS SEEDS—(Pages 51-54-55-57)

	10 lb.	Bu.	100 lb.
1273 Broom Corn, Stand. Evergreen, Bu. 48 lbs.	\$1.70	\$7.20	\$14.00
1272 Broom Corn, Scarborough, Bu. 48 lbs.....	1.70	7.20	14.00
1270 Crotalaria, Early, Bu. 60 lbs.....	Write for Prices		
1271 Crotalaria, Late, Bu. 60 lbs.....	Write for Prices		
1063 Rape (Dwarf Essex), Bu. 50 lbs.....	1.95	5.50	
1268 Sunflower (Russian), Bu. 25 lbs.....	.90	2.00	6.50

DUBAY SEED DISINFECTANTS—(Page 68)

2% CERESAN—for Cotton, Millet, Sorghums and Peas.			
1-lb. tin.....	\$0.75	25-lb. pail.....	\$14.50
5-lb. tin.....	3.30	100-lb. drum.....	52.00
Three ounces treats a bushel.			

NEW IMPROVED CERESAN—for Oats, Wheat and Barley.

4-oz.....	\$0.30	5-lbs.....	\$ 3.40
1-lb.....	.80	25-lbs.....	15.00
1 lb. treats 32 bushels.			

NEW IMPROVED SEMESAN JR.—for Corn.

1½-oz.....	\$ 0.15	5-lb.....	\$ 3.00
1-lb.....	.75	25-lb.....	12.50
Use 2 ounces per bushel of seed corn.			

NEW IMPROVED SEMESAN BEL—for Potatoes.

2-oz.....	\$ 0.35	5-lb.....	\$ 7.15
1-lb.....	1.65	25-lb.....	33.25
1 pound treats 60 to 80 bushels of seed potatoes.			

SEMESAN—for Vegetables and Flowers.

½-oz.....	\$0.10	1-lb.....	\$ 2.50
2-oz.....	.40	5-lb.....	11.40
Ounce treats 15 to 30 pounds of seed.			

BUCHANAN'S FERTILIZERS—(Page 67)

	100 lbs.	500 lbs.	Ton
Buchanan's Acid Phosphate, 16%.....	\$ 1.25	\$ 6.85	\$22.50
Buchanan's Acid Phosphate, 20%.....	1.45	6.75	26.00
Buchanan's Bone Meal (Steam).....	3.00	4.75	
Buchanan's Murian Potash, 50%.....	Write for Prices		
Buchanan's 4-8-3 for Root Crops.....	1.80	8.60	33.50
Buchanan's Sulphate of Ammonia.....	Write for Prices		
Buchanan's Tip Top Trucker 6-8-6.....	2.00	9.50	37.00
Buchanan's Truck Grower 4-8-4.....	1.70	8.25	32.00
Nitrate of Soda.....	Write for Prices		
Peat Moss (Granulated), full bale \$3.50.....			
Vigoro—25 lb. Bag \$1.50, 50-lb. Bag \$2.50.....	4.00		60.00



BUCK BRAND TESTED SEEDS

LEGUME-AID INOCULATION—(Page 66)

ALFALFA, SWEET CLOVER, HUBAM, BUR CLOVER AND BLACK MEDIC

Size	Inoculates	Price
1/2 bu.	30 lbs. seed	\$ 0.30
1 bu.	60 lbs. seed	.50
2 1/2 bu.	150 lbs. seed	1.00

CLOVERS

Medium Red, Mammoth, Alsike, Crimson and White.

Size	Inoculates	Price
1/2 bu.	30 lbs. seed	\$ 0.30
1 bu.	60 lbs. seed	.50
2 1/2 bu.	150 lbs. seed	1.00

PEAS—Garden, Field, Sweet and Canning Peas.

Austrian Winter Peas—All Vetches.

Size	Inoculates	Price
1 bu.	30 lbs. seed	\$ 0.30
1/2 bu.	100 lbs. seed	.50
2 bu.	120 lbs. seed	.50
5 bu.	300 lbs. seed	1.00

*This Special "100 lb. size" made only for Austrian Winter Peas and Vetch.

BEANS—String, Snap, Wax, Navy.

Size	Inoculates	Price
1 bu.	30 lbs. seed	\$ 0.30
2 bu.	120 lbs. seed	.50
5 bu.	300 lbs. seed	1.00

COW PEAS—PEANUTS

Crotalaria, Lima and Velvet Beans.

Size	Inoculates	Price
1 bu.	30 lbs. seed	\$ 0.30
2 bu.	120 lbs. seed	.50
5 bu.	300 lbs. seed	1.00

*The 50 bu size contains 10 plain inner cartons, each packed for 5 bushels of seed.

LESPEDEZA—All Varieties. Hulled or unhulled.

Size	Inoculates	Price
1 bu.	30 lbs. seed	\$ 0.30
2 bu.	120 lbs. seed	.50
5 bu.	300 lbs. seed	1.00

SOY BEANS—All Varieties.

Size	Inoculates	Price
Inoculates any quantity up to 2 bu.	120 lbs. seed	\$ 0.30
5 bu.	300 lbs. seed	1.00
**1 bu.	300 lbs. seed	5.00

**The 50 bu ("10 in 1") size contains 10 fully printed inner cartons, each packed for 5 bushels of soy beans.

GARDEN GROUP

For Garden Peas, Sweet Peas, Beans and Lupines.

Size	Inoculates	Price
Garden Size Packet	5 lbs. seed	\$ 0.10
Market Size Jumbo Packet	15 lbs. seed	.25

NITRAGIN—INOCULATION—(Page 66)

ALFALFA, ALL CLOVERS

Culture Group "A"—Alfalfa, All Sweet Clover, Hubam and Bur Clover.

Culture Group "B"—Clovers—Red, Mammoth Red, Alsike, Crimson, White.

Size	Inoculates	Price
1/2 bu.	30 lbs. seed	\$ 0.30
1 bu.	60 lbs. seed	.50
2 1/2 bu.	150 lbs. seed	1.00

LESPEDEZA

Culture Group "L"—All varieties of Lespedeza—Unhulled or hulled.

Size	Inoculates	Price
Small package inoculates up to 50 lbs. seed.		\$ 0.35
Large package inoculates up to 100 lbs. seed.		.50

SOY BEANS, COW PEAS—(Page 66)

Culture Group "S"—Soy Beans (all varieties).

Culture Group "E"—Cow Peas, Peanuts, Velvet Beans, Crotalaria.

Size	Inoculates	Price
Small package inoculates up to 120 lbs. seed.		\$ 0.30
1 bu. inoculates 300 lbs. seed.		.50
25 bu. inoculates 1500 lbs. seed.		2.50
30 bu. 6-5 bu. cans, inoculates 1800 lbs. seed.		3.25

VETCH, GARDEN PEAS, AUSTRIAN WINTER PEAS AND BEANS

Culture Group "C"—Garden Peas, Vetch (Hairy, Spring and Wild), Sweet Peas, Perennial Peas and Lentils.

Culture Group "D"—Field and Garden Beans (Including Navy, Kidney and Scarlet Runner Beans).

Size	Inoculates	Price
1/2 bu.	30 lbs. seed	\$ 0.25
1 bu.	60 lbs. seed	.35
1 1/2 bu. Vetch and Austrian Peas only	100 lbs. seed	.50
12 1/2 bu. Vetch and Austrian Peas only	750 lbs. seed	3.50

DOG FEEDS—(Page 71)

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Peerless Dog Ration	\$ 0.65	\$ 1.55	\$ 2.60	\$ 4.95
Peerless Dog Cake (Quads)	.70	1.45	2.65	5.25
Peerless Kibbles	.90	1.95	3.90	7.75

BUCHANAN BIRD SEED IN BULK

	5 lbs.	10 lbs.	25 lbs.
Bird Hemp	\$ 0.95	\$ 1.75	\$ 4.25
Bird Lettuce	.75	1.25	..
Bird Millet	.35	.60	1.25
Bird Rape	.60	1.00	2.25
Buchanan's Mixed Canary Seed	.50	.90	2.00
Plain Canary	.45	.85	1.75
Sunflower Seeds	.45	.80	1.75
Cuttle Fish Bone, 1 lb.	\$1.35	..	..

POULTRY FEEDS

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Apex Vitamek Buttermilk Chick Starter	\$ 0.50	\$ 0.95	\$ 1.75	\$ 3.35
Apex Vitamek Buttermilk Growing Mash	.45	.90	1.70	3.20
Apex Vitamek Chick Grain	.45	.90	1.60	3.00
Apex Vitamek Laying Mash	.40	.75	1.30	2.40
Apex Vitamek Hen Scratch Feed	.40	.75	1.30	2.40
Apex Growing Grain	.45	.80	1.40	2.65

OYSTER SHELL—POULTRY GRIT, ETC.

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Charcoal, Chick or Hen Size	\$ 0.40	\$ 0.75	\$ 1.25	\$ 2.25
Grit, Chick or Hen Size	.25	.45	.60	.85
Oyster Shell, Chick or Hen Size	.25	.45	.60	.85
Poultry Litter—(Page 72)	1/2 Bale \$2.50	Full Bale \$3.75	..	..

JUTE TWINE—(Page 59)

For bunching vegetables, tying up tomatoes, grape vines, etc.
Two-ply 1/2 pound balls, 25 lbs. or more, per lb. \$0.27
Two-ply (100 ends) Original coils, about 25 lbs., per lb.26 1/2

HAND SHEARS—LOPPING SHEARS—PRUNING SAWS—

	Each	4 Doz.
No. 230 Hand Shear	\$ 1.00	@ \$1.25
No. 130 Hand Shear (California Pattern)	1.35	@ 1.90
No. 119 Hand Shear (Snap Cut)	2.00	@ 1.90
No. 9 Junior (Snap Cut)	1.00	@ .90
No. 22 Hand Shear Pruner (8 in. long)	.60	@ .55
No. 172 Hand Shear Pruner (9 in. long)	1.40	@ 1.30

Lopping Shears

No. 149 H. H. Pruner (27 in. long) Snap Cut	3.50	@ 3.40
No. 055 Medium weight, 23 in.	2.75	@ 2.65
No. 056 Same as 055 (36 in. long)	3.25	@ 3.15

Pruning Saws

No. 113 California Pattern, 12 in.	1.35	@ 1.30
No. 20 California Pattern, Narrow Blade, 12 in.	1.35	@ 1.30
No. 20 California Pattern (14 in. long)	1.40	@ 1.35

SPRAY MATERIALS AND INSECTICIDES—

(Pages 62 thru 65)

	5	10	15	30	50
Buchanan's Oil Emulsion	\$ 2.25	\$ 4.00	\$ 5.25	\$ 7.80	\$11.50
Scalecide	6.35	10.90	14.95	23.75	32.90
	5	10	15	30	55 Gal.
Lime Sulphur Solution	\$ 1.15	\$ 4.00	\$ 5.10	\$ 6.60	\$ 9.35
	5	10	15	30	54
Ortho-K Summer Oil	\$ 4.25	\$ 8.25	\$12.00	\$21.00	\$33.20
Kleenup Ready Mix Dormant Oil	3.00	5.20	7.20	11.70	18.90
	Case	24 lbs.	48 lbs.	96 lbs.	
Alorco Cryolite	\$ 3.75	\$ 7.20	\$13.92	..	..
Arsenate of Lead (Packed in 4-lb. Pkgs.)	3.60	7.20	13.92	..	..
Bordeaux Mixture (Packed in 4-lb. Pkgs.)	3.60	6.72	13.44	..	..
34 Copper Fungicide	4.25	7.95	15.35	..	..
Calcium Oseanate (Packed in 4-lb. Pkgs.)	2.40	4.56	8.64	..	..
Ditricotic Sulphur for Apples (Packed in 4-lb. Pkgs.)	2.65	4.32	8.64	..	..
Sulfuric Micro-fine Sulphur	2.00	3.84	7.20	..	..
Dutox (Packed in 6-lb. Pkgs.)	4.56	8.40	16.70	..	..
Lime Sulphur Powder (200-lb. Drum \$19.00)	\$ 1.50	\$ 2.75	\$ 5.25	\$10.00	..
Peach Ditrictic Sulphur (Packed in 10-lb. 25-lb. 50-lb. 100-lb. Drums)	\$ 2.25	\$ 3.50	\$ 5.75	\$ 8.50	..
Superfine Sulphur, 300 Mesh	\$ 0.75	1.35	2.25	4.00	..
Dusting Sulphur, 200 Mesh	.65	1.25	2.00	3.50	..
Blue Stone, Snow Form (Powdered)	1.00	2.25	4.25	8.25	..
Hydrated Lime for Spraying	1.25	2.25	4.25	8.25	..
Slug Shot	1.90	3.25	6.00	..	..
Tobacco Dust	.60	1.00	1.75	3.00	..
Paradichlorobenzene	2.25	4.50	8.50	15.00	..
Fish Oil Soap	1.85	3.50	6.50	..	..
Paris Green, 14-lb. can \$5.50	4.75	..	..	..	\$1.00
Attiacide Weed Killer	1.25	2.25	4.25	8.25	..
Zinc Sulphate	.85	1.75	3.00	5.50	..
Fluxit-Ortho Dry Spreader	2.25	5.25	10.00	19.50	..
Soy Bean Flour Spreader	1.00	2.25	4.25	8.00	..
	5 oz.	1 lb.	2 lbs.	5 lbs.	10 lbs.
Black Leaf 40 (Liquid)	\$ 0.95	\$ 2.10	\$ 3.00	\$ 5.75	\$10.00
	1/4 lb.	1 lb.	5 lbs.	..	..
Corrosive Sublimite	\$ 1.00	\$ 3.25	\$15.00	..	..
	Pt.	Qt.	Gal.	5 Gal.	..
Ethylene Dichloride Emulsion	\$ 0.30	\$ 0.60	\$ 1.40	\$ 5.75	..
New-Evergreen	2.00	..	12.30	..	..
Nursery Voick	.75	1.25	2.25	9.00	..
Ethylene Chlorhydrin (See Page 68)	.85	1.50	4.50	20.00	..
Red Arrow Insect Spray	2.85	5.00	..	..	..
Crowwood Oil, 50-Gal. Drum \$16.00	..	..	.90	2.50	..
Champion Tree Killer	..	.50	1 lb.	5.50	..
Kresol Dip	.50	7.75	1.75	6.75	..

R. B. BUCHANAN SEED CO.



BUCHANAN'S ZINNIAS

The seeds may be sown in a hot bed or sunny window and transplanted, or sown later in the open ground. If sown in the open ground in April, thin out as soon as the plants are well up, leaving at least 1½ feet each way, as they are robust growers and require a large amount of space to attain maximum size. The plants come into flower early in the summer and keep on blooming until hard frost.

All Prices on this Page Post Paid

All 10c Pkts. 3 for 25c—7 for 50c

CALIFORNIA GIANT ZINNIAS				Pkt.	$\frac{1}{4}$ Oz.	1
780	Crimson	785	Purple	..	.25	.75
780A	Lavender	786	Rose	..	.25	.75
781	Golden Yellow	787	Violet	..	.25	.75
782	Flesh Pink	789	Scarlet	..	.25	.75
783	Canary Yellow	790	Burnt Orange	..	.25	.75
784	White	791	Salmon	..	.25	.75
792	Giants of California Mixture			..	.20	.70
794	Buchanan's Collection of Giant Zinnias. The greatest value ever offered in Zinnia Seed, One packet each of ten separate colors					.75c

MAMMOTH DAHLIA FLOWERED ZINNIAS

756	Golden State. A very rich orange-yellow.....	.10	.25	.75
757	Dream. A fine deep lavender, turning to purple.....	.10	.25	.75
758	Crimson Monarch. By far the largest and best of the red shades. Flowers often eight inches in diameter.....	.10	.25	.75
759	Exquisite. The most pleasing of our collection. Color light rose with center of deep rose.....	.10	.25	.75
760	Oriole. It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named.....	.10	.25	.75
761	Old Rose. It is of the real Old Rose shade; it is large, and for charm and beauty we consider it ranks next to Exquisite .....	.10	.25	.75
762	Polar Bear. A very large pure white, the best white yet seen in Zinnias.....	.10	.25	.75
763	Canary Bird. A rich canary yellow—very large and holds its color well.....	.10	.25	.75
764	Scarlet Flame. A large, vivid, bright scarlet, with a delightful blending of orange throughout the petal.....	.10	.25	.75
765	Special Gold Medal Mixture. A well blended mixture containing all the above varieties.....	.10	.25	.70
767	Purple Prince. A deep rich shade of royal purple.....	.10	.25	.75
771	Illumination. Tyrian rose, Cerise or rosey scarlet; an unusual bright rich shade in Zinnias.....	.10	.25	.75
766	BUCHANAN'S COLLECTION OF DAHLIA FLOWERED ZINNIAS. One packet each of ten separate colors .....			.75c

768	SUPER CROWN O'GOLD PASTEL TINTS. A vastly improved strain of the Crown O'Gold type, with large well formed flowers in soft pastel shades, each petal overlaid at the base with deep golden yellow while carrying out the individual flower color at the tip creating an unusually artistic effect.	.15	.50	1.75
769	FANTASY. Mixed. Different from the ordinary stiff, formal Zinnia. Plants are 2½ to 3 feet in height and very free flowering. The medium sized lacy flowers are composed of a mass of shaggy, ray-like petals and the color range is excellent and brilliant, while carrying out the individual flower color at the tip, creating an unusually artistic effect.	.10	.30	.75
769A	Fantasy Wildfire. A rich dazzling scarlet.	.15	.60	2.00
769B	Fantasy Rosalie. Bright rose.	.10	.45	1.35

LILLIPUT ZINNIAS. The dainty, pompon flowers are borne on dwarf, bushy plants 12 to 18 inches high. They are used extensively as edgings to taller plants, as borders and are especially lovely as cut flowers combined with larger blossoms.

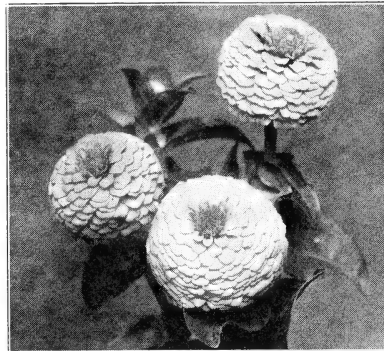
795	Lilliput Pastel Mixture. The lovely soft shades of apricot, peach, creamy yellow, shell pink, delicate salmon, light rose and orchid. The plants are 12 to 15 inches high, neat in habit, of compact growth and very free flowering				.10	.25	.75	
796A	Lilliput Pink	796	Crimson	797	Mixed	.10	.25	.75
796B	Lemon Yellow	796C	Orange	798	Purple	.10	.25	.75
796D	Salmon Rose					.10	.25	.75

799	TOM THUMB. Very dwarf, 4 to 6 inches high, covered with small double flowers. Very dainty and desirable for borders, beds or rockwork. Our mixture contains a wide range of the most pleasing colors.	.10	.30	.80
-----	---	-----	-----	-----

800	SCABIOUS. This entirely different type resembles a double crested cosmos. The flowers, 2½ to 3 inches across, are composed of a row of broad outer petals around a cushion-like crown of quill-like petals, a mixture of bright, showy colors	.10	.45	1.35
-----	---	-----	-----	------



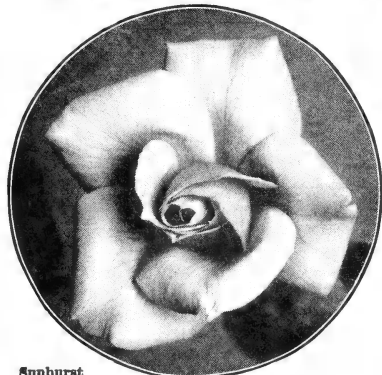
California Giant Zinnia



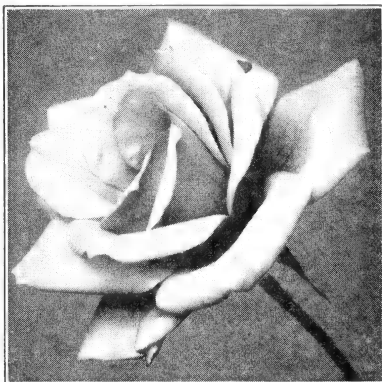
Lilliput Zinnia



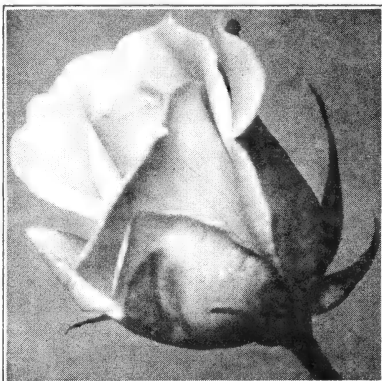
Dahlia Flowered Zinnia



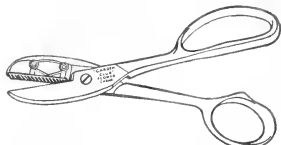
Sunburst



Briarcliff



Etoile de Holland



No. 750—**FLOWER SHEAR**—Cuts and holds flowers. A perfect one-hand flower picker. Post paid, 70c; at Store, 60c.

BUCHANAN'S EVERBLOOMING BUSH ROSES

All two-year field grown vigorous plants

Transplant roses in early spring or late fall for best results. In a well prepared bed. Sandy, clay soil is preferable and good drainage is essential. Apply Vigoro fertilizer early in spring and again in August and a generous application of bone meal in October or November will feed them through the winter.

Any Variety—Each, 50c; 3 for \$1.40; 6 for \$2.40; 12 for \$4.25; post paid

PINK BUSH ROSES

- LOS ANGELES** Rich, flaming pink shaded with golden yellow at base of petals.
DAME EDITH HELEN Very large, perfectly shaped, clear pink buds.
BRIARCLIFF Brilliant rose pink, very fragrant; finest large pointed buds.
COLUMBIA Vivid silvery pink, sweetly scented and free flowering.
J. L. MOCK Bright rich pink faced with carmine; gigantic buds, stiff stems.
EDITOR McFARLAND Long, pointed buds. Flowers very large and double.
MRS. CHAS. BELL Shell pink, lovely buds, blooms as freely as Radiance.
PAUL NEYRON Clear pink, shading to rose. Immense size, very double, fragrant.
RADIANCE, PINK Rose pink with silver reflections. Blooms most profusely.
WILLOWMERE Rich shrimp pink. Base of petals a pure gold.
PINK KILLARNEY Sparkling dark pink. Long pointed bud, immense flowers

RED BUSH ROSES

- ETOILE DE HOLLAND** A sparkling, brilliant red. Very fragrant healthy and free flowering. Color holds and doesn't blue, as does other reds.
AMI QUINARD Dark, velvety crimson. Very dark buds opening into flowers of unfading crimson maroon. Strong, Vigorous grower.
ETOILE DE FRANCE Bright vivid crimson, cerise centers, heavy bronze green foliage.
FRANCIS SCOTT KEY Light crimson. Very large buds, very double flowers.
CHAS. K. DOUGLAS Crimson-scarlet. Fine long pointed buds. Unfading color.
GRENOBLE Clear, scarlet red, tall, strong growing.
RED RADIANCE Even clear red. America's most popular rose. Constant bloomer.
AMERICAN BEAUTY Brilliant rose carmine. Immense flowers, delightfully fragrant.
SENSATION Very double, scarlet crimson overlaid with glossy maroon.
E. G. HILL Massive bloom of rich maroon.
CHAS. P. KILHAM Bright scarlet with gold base. Large and very double.
HADLEY Deep, dark red. Flowers double with well formed buds.

YELLOW BUSH ROSES

- GOLDEN OPHELIA** Golden yellow blooms, shading lighter toward edges. Fragrant.
LUXEMBOURG Apricot yellow shaded orange. Fragrant, exquisitely shaped.
JOANNA HILL Soft yellow with gleaming gold heart. Pointed bud.
LADY HILLINGDON Saffron yellow. Color deepens daily after being cut.
SUNBURST Deep golden yellow of intense shade. A favorite everywhere.

WHITE BUSH ROSES

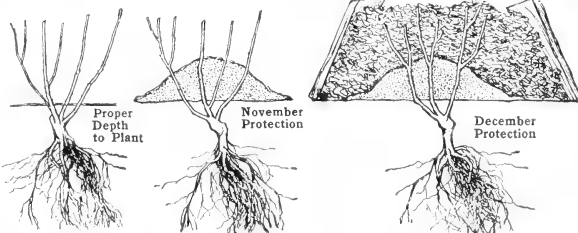
- FRAU KARL DRUSCHKI** Snow white, very large, truly the White American Beauty.
K. A. VICTORIA Pure white with creamy tinge at base of petals.
WHITE KILLARNEY Exquisitely perfumed double flowers. Unsurpassed white rose.
CALEDONIA Pure white with exquisitely curved petals.

TWO-TONED BUSH ROSES

- PRES. HERBERT** A blending of pink, flame, scarlet and yellow.
HOOVER Coppery, red buds, flowers large, orange, carmine.
BETTY UPRICHARD Bright apricot, gold and deep pink, very popular.
TALISMAN Coppery outer petals with orange-gold centers.
EDITH NELLIE PERKINS The rich golden yellow blooms are shaded deeper on reverse side of petals—almost a deep orange. Its fragrant flowers are very large and are produced on strong, healthy plants.
ROSLYN



Post paid, 75c
Large, Medium or Small



A ROSE STORY IN PICTURES



BUCHANAN'S ROSES—FINEST VARIETIES

Prices, Post Paid—Each, 60c; 3 for \$1.60; 6 for \$2.75; 12 for \$5.00

- MRS. E. P. THOM**—Bright canary yellow. Slender, well-shaped buds open into full double flowers. One of the most popular yellow roses among rose fanciers.
- GOLDEN DAWN**—The pointed buds are bright yellow, often tinged with red, and the open blooms are clear lemon yellow that does not fade; exceedingly fragrant.
- MRS. PIERRE S. DU PONT**—Golden yellow. Bud is long pointed, rich reddish-gold, almost orange at petal base. Exceptional bloomer and disease resistant.
- LADY MARGARET STEWART**—An old favorite and one of the best yellow roses. The flowers are large, deep yellow flushed with orange red.
- HEINRICH WENDLAND**—Large, double blooms of nasturtium red, reverse of petals golden yellow distinctly two-toned.
- CUBA**—Vivid orange-scarlet buds, opening immense flowers of copper red and brilliant orange, vermillion. Very free flowering.
- MARGARET MCGREDY**—Brilliant oriental buds of marvelous orange vermillion color with gold base. A truly great rose.
- HINRICH GAEDE**—The most colorful of all roses. The long, pointed buds of a brilliant coppery red open vermillion shaded golden yellow. Fragrant.
- MRS. SAM MCGREDY**—Beautiful scarlet orange heavily flushed with rich red on outside of petals. Delicately perfumed.
- MCGREDY'S SCARLET**—A superior rose due to its strong, vigorous growth free flowering and its brilliant red color with gold at base of petals.
- DAINTY BESS**—Soft rose pink. Large single flowers delicately crinkled, centered with a large cluster of stamens with wine red filaments. One of the most attractive of all the single roses.
- MME. JULES ROUCHE**—One of the best white roses, being, at times, tinted flesh on the outside of petals.
- MRS. HENRY BOWLES**—Beautiful, clear pink of fine form. Very free flowering and vigorous.
- ROWENA THOM**—Enormous buds and flowers of glistening, satiny rose pink. Centers shaded orange-flame, profuse bloomer.

MARECHAL NIEL—Exquisite large buds and flowers of softest, rich yellow. Borne in great profusion. Very fragrant. Without doubt the finest and most beautiful yellow climber. Should have winter protection. Each, 60c; 3 for \$1.60.

CLIMBING ROSES

Prices, Post Paid—Each, 50c; 3 for \$1.40; 6 for \$2.40

CAUTION: Be sure to specify CLIMBING in your order.

- AMER. BEAUTY**.....Rosy-crimson, large, well-formed, fragrant flowers.
- PAUL'S SCARLET**.....Vivid scarlet. One of the most popular of all climbers.
- DR. W. VAN FLEET**.....Delicate flesh pink, rapid growth, entirely satisfactory.
- MARY WALLACE**.....Vivid, brilliant pink—very hardy.
- SILVER MOON**.....Silvery white, yellow stamens, very large.
- GARDENIA**.....Hardest, most dependable, yellow climber.
- PINK RADIANCE**.....In great demand. Stock limited.
- RED RADIANCE**.....Blossom same as bush type. Unsurpassed red climber.
- TALLMAN**.....Similar to bush type. A real rose sensation.
- K. A. VICTORIA**.....Creamy white like the bush rose. Reliable and hardy.
- COLUMBIA**.....Exquisite silver pink. Free bloomer.
- HOOVER**.....Same coloring as bush variety.

PERNET ROSE



HORMODIN POWDER No. 1

The treatment of cuttings is simple. Cuttings are first dipped in water and then dipped in Hormodin Powder and tapped gently to remove the excess. The treated cuttings are planted in the propagating medium in the usual way. No special equipment or training is necessary to use Hormodin Powder. Especially good for carnations, roses, poinsettias, chrysanthemums, and similar types. An ounce treats about 2,500 cuttings of average size.

Post Paid, 1 3/4 oz., 55c; lb., \$3.10

BUCHANAN'S ROSE COLLECTIONS

Order Rose Collections by number only. It is not necessary to mention the varieties in the collection you order.

No. 1—RADIANCE COLLECTION OF 3. \$1.00, Post Paid

1 Pink Radiance	1 Red Radiance	1 Briarcliff
-----------------	----------------	--------------

No. 2—SPECIAL COLLECTION OF 3, \$1.30, Post Paid

1 Etoile de Holland	1 Margaret McGredy	1 Golden Dawn
---------------------	--------------------	---------------

No. 3—SPECIAL COLLECTION OF 6. \$2.35, Post Paid

1 Rowena Thom	1 Tallman	1 Golden Dawn
1 Hinrich Gaede	1 McGredy's Scarlet	1 K. A. Victoria

No. 4—OLD RELIABLE COLLECTION OF 6. \$2.00, Post Paid

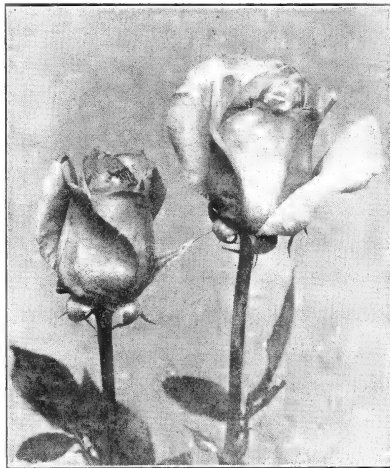
1 Red Radiance	1 K. A. Victoria	1 Sensation
1 Pink Radiance	1 Golden Ophelia	1 Pres. Hoover

No. 5—BUCHANAN'S SPECIAL COLLECTION OF 12. \$3.95, Post Paid

1 Columbia	1 Red Radiance	1 Tallman
1 Golden Ophelia	1 Briarcliff	1 Luxembourg
1 Etoile de Holland	1 Pres. Hoover	1 Pink Radiance
1 F. K. Druschki	1 K. A. Victoria	1 Sensation



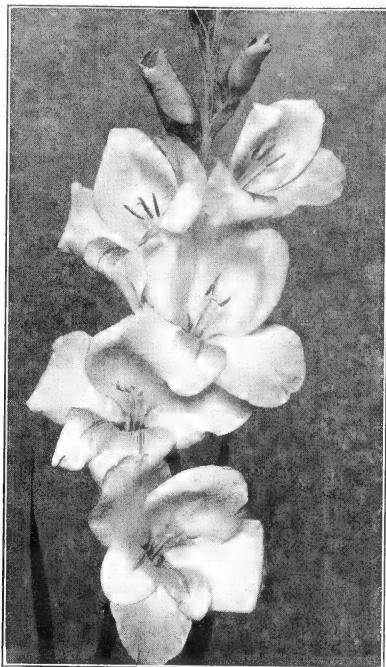
Mrs. Pierre S. Du Pont



Golden Dawn



Paul's Scarlet



Cadillac

NOTICE

We ship only first quality stock. It is clean, disease free, healthy and true to name. We have selected, in a wide range of color, the varieties that give maximum performance, as to blossom and growth in this area, out of the thousands on the market.

REMEMBER, we do not handle bulblets nor seconds.

CULTURE—They are not only showy in the garden, but, when cut with the first flower open, will last for days in the house. The new colorings defy the choicest orchids. Plant bulbs 3 to 4 inches deep, 6 inches apart, and stake when 2 feet high. Flowers appear from early July until late in the fall if several plantings are made.

SPECIAL GLADIOLUS OFFER

12 Splendid Varieties for
50c, Post Paid

One each of the following: Betty Nuthall, Debonair, Gold Eagle, Flaming Sword, E. J. Shaler, Margaret Fulton, Dr. Bennett, Golden Dream, Chas. Dickens, Picardy, Maid of Orleans, Giant Nymph.

BUCHANAN'S
RAINBOW COLLECTION

28 No. 1 Select Bulbs,
Post Paid for \$1.00

This unsurpassed Gladioli collection includes one bulb of each variety in the 50c collection and also 4 bulbs of each of the following varieties: Minuet, Commander Koehl, Felegrina, Cadillac.

BUCHANAN'S GLADIOLUS BULBS

All Prices on this Page Post Paid		6	12	25	100
360	MAID OF ORLEANS. The best creamy white to-day. It blooms extra early. The spikes are tall and straight with six to eight clear, large, florets open at once .....	.35	.60	1.10	3.15
361	BETTY NUTHALL. Magnificent, light salmon-pink with pale orange throat and light feathering of carmine. Flowers very large, 6 to 8 open at one time, of splendid substance, and well placed on strong, tall spikes. Outstanding variety.....	.30	.50	.95	2.75
362	E. J. SHAYLOE. Scintillating rose-carmine with rich purple feathering on lower petals. Very early and free flowering with many ruffled florets open at one time .....	.30	.50	.95	2.75
363	MARGARET FULTON. A clear glistening coral pink. A good strong grower and early bloomer with six to eight florets of a really outstanding color .....	.30	.50	.95	2.75
364	W. H. PHIPPS. Enormous flowers of clear pink, overlaid with salmon-rose. Often 20 flowers open at one time, making this variety wonderful for cut-flower use. A consistent show winner.....	.35	.60	1.10	3.15
365	DEBONAIR. La France pink shading to shrimp pink with creamy throat blotch. Six to eight medium large blooms open on a very tall, always straight spike. A dependable late variety.....	.25	.45	.75	2.25
366	GIANT NYMPH. Extra large flowers of exquisite rose-pink with pale gold throats. Vigorous grower and one of the finest varieties.....	.30	.50	.95	2.75
367	FLAMING SWORD. A brilliant, early flame colored glad. Large flowers borne on slender, tall spikes .....	.30	.50	.95	2.75
368	RED PHIPPS. An exquisite shade of soft red and one of the very best. Eight or more large florets open at one time. A most popular mid-season variety .....	.30	.60	1.10	3.15
369	CADILLAC. Extra tall spikes; flowers well placed and of good form; many open at one time. Its golden apricot color shades to a soft warm apricot-rose toward edge of petals. No throat markings, stamens and pistils creamy white.....	.35	.60	1.10	3.15
370	DR. F. E. BENNETT. An outstanding Gladiolus. Gorgeous peach-red overlaid with flame scarlet. Throat stippled with ruby and white. Tall spike with many well placed blooms open at one time .....	.35	.60	1.10	3.15
371	GOLD EAGLE. A very early, rich golden yellow bearing slightly ruffled flowers on vigorous straight spikes .....	.30	.50	.95	2.75
372	PHYLLIS MCQUISTON. A new, pure pink that blends perfectly to a soft light throat. It is thoroughly practical as well as gorgeously beautiful. The tall spikes are always straight, carrying as many as 22 buds .....	.35	.60	1.10	3.15
373	GOLDEN DREAM. The richest, clearest, pure golden yellow. Large flowers with gracefully recurved petals well placed on tall straight stems. Very distinct and beautiful variety.....	.30	.50	.95	2.75
374	MINUET. Magnificent variety and a blue ribbon winner at every show. Without a doubt the finest clear lavender in existence. Five to six exquisite orchid-like flowers open at one time.....	.35	.60	1.10	3.15
375	CHARLES DICKENS. A deep rich shade of royal purple with a deeper color in the throat. Tall vigorous growing plant .....	.40	.65	1.25	3.65
376	FELEGRINA. Vivid, dark violet blue. Two lower petals a trifle darker. Very showy and the best in its class .....	.40	.65	1.25	3.65
377	PICARDY. A most sensational flower of delicate apricot-pink. The exhibition blooms are extremely large, slightly ruffled and of heavy wax-like substance. Without doubt the most popular of all Glads .....	.25	.45	.75	2.25
378	WASAGA. Slightly ruffled petals of clear apricot shading to a golden buff throat. Flowers very large .....	.30	.50	.95	2.75
379	COMMANDER KOEHL. Huge, wide open blooms of richest, dark scarlet, almost black, no markings or blotches. Heavy substance. Vigorous.....	.40	.65	1.25	3.65
	GARDEN ASSORTMENT. Good mixture including early, medium and late varieties in all colors.....	.40	.65	1.75	

Dirt-Proof, Washable
GARDEN GLOVES

ALL LEATHER
DURABLE
EXTRA SOFT

Easy to Wear

—for Men and Women



Their amazing softness and pliability are the result of a special processing of select lamb skins. Economical, too—outwear 6 pairs of ordinary fabric gloves, can be used the year round for gardening, housework, painting, furnace, garage, etc. Sizes for Women (small, medium, large), and Men (small, medium, large). Price, 75 cents a pair, postpaid. (2 pair, \$1.40.)

**BUCHANAN'S GIANT DAHLIAS**

Dahlias ready for shipment about March 1. Order on separate order blank.
All Prices on This Page Post Paid

CULTURE—Plant bulbs in hills 3 feet apart any time after danger of frost. Soil must be fertile or heavy fertilization is necessary. Lay bulbs flat and cover with six inches of soil. Dahlias require a great deal of moisture and clean cultivation. VIGORO is the ideal Dahlia fertilizer.

- 990—FORT MONMOUTH (Decorative)**—Rich, velvety, deep crimson with maroon shading. Heavy petal formation. Long stiff stems. **Each, 35c; 3 for 75c.**
- 982—JERSEY BEAUTY (Decorative)**—Flowers of good size and substance on long stems. Exquisite, luminous pink. Excellent cut flower. **Each, 25c; 3 for 50c.**
- 983—MRS. IDE VER WARNER (Decorative)**—A refined mauve-pink, beautifully formed. Large blooms carried on long, strong stems. A free, continuous bloomer. **Each, 20c; 3 for 50c.**
- 984—PURITY (Decorative)**—Resembling a pure white Camellia. Free bloomer producing exhibition blooms. **Each, 20c; 3 for 50c.**
- 985—JANE COWL (Decorative)**—Huge flowers of bronze buff and old gold, blending to a bright apricot-rose at center. A superb dahlia. Vigorous grower. **Each, 25c; 3 for 50c.**
- 986—CITY OF TRENTON (Decorative)**—An autumn colored Dahlia defying adequate description. The face of petals a rich, glowing tangerine; reverse, crushed strawberry red. The petals curl gracefully, giving a two-toned effect. A large exhibition bloom which can be grown to 12 inches in diameter. **Each, 40c; 3 for \$1.00.**
- 987—MRS. GEO. L. BOUTILLIER (Decorative)**—A rich velvety carmine, giant in size and outstanding in every respect. An exceptionally good cut flower. **Each, 35c; 3 for 75c.**
- 987A—PRIDE OF CALIFORNIA (Decorative)**—Mammoth, rich American Beauty red. Vigorous, tall grower. **Each, 20c; 3 for 50c.**
- 988—KATHLEEN NORRIS (Decorative)**—A true rose-pink—a bloom of gigantic proportions, petals broad and overlapping with twisted ends; full, tight center. **Each, 35c; 3 for 75c.**
- 989—JERSEY'S BEACON (Decorative)**—The color is Chinese scarlet with a paler reverse, giving a two-toned effect. Flowers are very large and globular in form. It is a prolific bloomer and vigorous grower. **Each, 30c; 3 for 60c.**
- 1004—PRINCE OF PERSIA (Decorative)**—Striking, rich, cardinal red of exceptional size and substance. Considered by many growers the most beautiful of all large red Dahlias. **Each, 35c; 3 for 75c.**
- 990A—KING MIDAS (Decorative)**—The greatest of all yellow Dahlias. The color is a wonderful, pure, golden yellow, the flowers gigantic, deep, perfectly formed, and terminate on long, stiff, straight stems. A continuous prize winner. **Each, 35c; 3 for 75c.**
- 1000—THOS. A. EDISON (Decorative)**—Dark purple with the sheen of velvet. A strong, vigorous grower of medium height. Free bloomer. **Each, 40c; 3 for \$1.00.**
- 1001—KENTUCKY (Decorative)**—A brilliant salmon-orange shading to grenadine-pink on outer petals. A thrifty grower and prolific bloomer under all weather conditions. **Each, 30c; 3 for 75c.**
- 1002—CALIFORNIA IDOL (Decorative)**—A giant clear yellow that is a consistent show winner. Vigorous grower. **Each, 35c; 3 for 75c.**
- 1003—HILCREST MANDARIN (Decorative)**—Georgiously beautiful flowers of oriental red and gold coloring. Unusual variety, and strong grower. **Each, 40c; 3 for \$1.00.**
- 1005—ROSE GLORY (Decorative)**—Massive deep rose pink borne on long stiff stems. Ideal for cut flower or exhibition purposes. One of the most popular Dahlias grown. **Each, 30c; 3 for 75c.**
- 1008—KEMPS VIOLET WONDER (Decorative)**—A rich violet with underlying tone of royal purple. **Each, 35c; 3 for 75c.**
- 1009—SAGAMORE**—Exceptionally fine deep gold suffused with reddish orange. Exhibition variety with straight, stiff stems. **Each, 25c; 3 for 50c.**
- 1015—JERSEY'S JEWEL (Decorative)**—A clear, exquisite lavender. Prolific bloomer. **Each, 40c; 3 for \$1.00.**

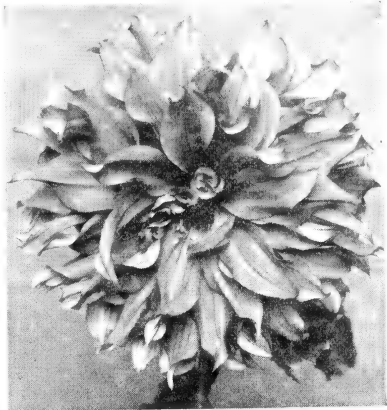
BUCHANAN'S DAHLIAS—Un-named Varieties

- | | | | |
|--|------------|------------|-------------|
| 991—WHITE | 993—PURPLE | 995—YELLOW | 997—STRIPED |
| 992—RED | 994—SALMON | 996—PINK | 998—ORANGE |
| Each, 15c; 3 for 40c; 12 for \$1.25 | | | |

POMPON DAHLIAS

- Miniature form of Ball or Show type. Small, round flowers, less than 2 inches across, borne in greatest profusion. Especially fine for cut flowers and garden decoration. Dwarf, compact, branching plants. **25c each; 3 for 60c; 12 for \$2.00.**
- 1010—Catherine**—Pure yellow.
- 1011—Sunbeam**—Brilliant red.
- 1012—Snowclad**—Glistening white.
- 1013—Little Beauty**—Soft pink.
- 1014—Dee Dee**—Clear lilac.
- 1006—POMPON DAHLIA COLLECTION**

One tuber of each of the 5 separate colors listed above for only 90c, post paid.

**Fort Monmouth****MINIATURE DAHLIAS**

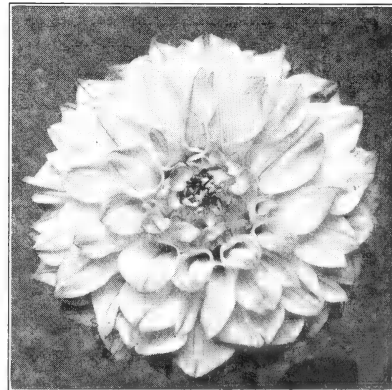
Newest in the Dahlia family. The tiny blossoms are attractive as cut flowers and lend added charm in arrangements with larger flowers.

- 1016—BABY ROYAL**—Min. Inf. Dec., the most popular of all miniatures. Salmon apricot color, excellent stems. **Each, 30c; 3 for 75c.**
- 1017—ORCHID LADY**—Min. Dec., Pink orchid in color, free blooming. **Each, 25c; 3 for 50c.**
- 1018—GOLD DROP**—Min. Dec., pure rich yellow. **Each 40c; 3 for \$1.00.**
- 1019—BISHOP OF LANDOFF**—Min. Dec. Dazzling scarlet. Strong plant, small bronzy foliage. **Each, 30c; 3 for 75c.**
- 1020—FAIRY**—Min. Dec., light rose, tinted salmon. **Each, 25c; 3 for 50c.**

VITAMIN B₁

Don't fail to use Vitamin B₁ in your flower gardens. Most flowering plants and shrubs respond unbelievably. Produces stronger, hardier plants and flowers of amazing size.

Post Paid—40 tablets, 10c; 100, 25c; 250, 50c;
1 oz. liquid, 25c; 2 ozs., 50c.

**Rose Glory****999—BUCHANAN'S DAHLIA COLLECTION**

One bulb each of eight separate colors, unnamed varieties, for 95c, Post Paid.

1007—SPECIAL DAHLIA OFFER

One each Jersey Beauty, Ide Ver Warner, Mrs. Geo. Boutillier, Jane Cowl, Rose Glory, King Midas, for \$1.25, Post Paid.

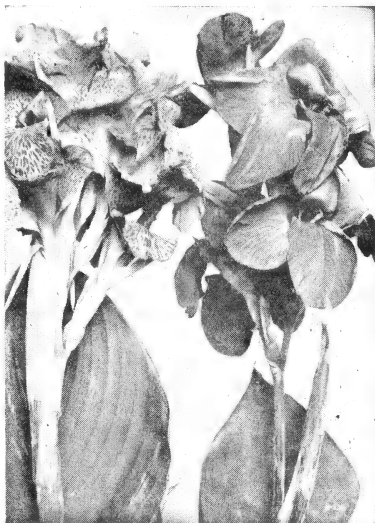


BUCHANAN'S CANNA BULBS

No other bedding plant will give the same uniform good results in our varied and trying climate. They do well in all sections of the country and stand pre-eminently at the head of the list, succeeding in any sunny position in any kind of soil, but responding quickly to liberal treatment. For best results the beds should be spaded two feet deep and a generous amount of well-decayed manure of any kind thoroughly incorporated, and at all times supplying water freely. Plant in large masses of one color, setting out tubers two feet apart.

All Prices on this Page Post Paid

	3	12	25	100
950 CITY OF PORTLAND. A glowing pink, deeper in color than its parent, Mrs. Alfred F. Conard, and the flowers are borne in greater profusion; height, 3½ feet; foliage green. ....	.40	1.25	2.25	7.00
954 HUNGARIA—Rose Pink. 4 ft. Strong grower with green foliage and very large, heavy heads of large flowers borne erect on stout shafts well above foliage. Considered finest pure pink in existence. ....	.30	.85	1.65	5.00
955 EUREKA. The best white Canna. A strong grower, with glossy green foliage. Compact plants and a splendid bedding variety. Height, 4 feet. ....	.40	1.25	2.25	7.00
952 YELLOW KING HUMBERT. A green-leaved sport of the popular King Humbert. It has the same habit of growth and free-flowering qualities, but the flowers are bright yellow and lightly spotted with red. The best yellow Canna now on the market. 5 feet. ....	.30	.85	1.65	5.00
951 KING HUMBERT. A brilliant orange-scarlet, with bright red shadings. Large trusses of blooms, the individual flowers being six inches in diameter. Foliage a rich reddish bronze with lighter shadings. The finest red foliage and flowering variety grown. Height, 5 feet. ....	.30	.85	1.65	5.00
953 THE PRESIDENT. Green foliage. Flowers bright glistening scarlet. The individual florets often measure seven inches across when open. The flowers are borne just high enough above the foliage to show the entire head. Height, 3½ feet. ....	.30	.95	1.75	6.00
955A COPPER GIANT. Immense heads of coppery red, suffused with deep rose and burnished copper. Green foliage, continuous bloomer. One of the best, 4 feet. ....	.40	1.25	2.25	7.00
956 GEO. W. PARK (New). 2 feet, very dwarf, beautiful lily shaped blooms of Chinese red, a very unusual shade. Carries straight stems well above the green foliage. The first to bloom and continues until frost. ....	.45	1.35	2.50	8.00
Buchanan's Collection of Canna Bulbs. One bulb each of eight named varieties.				
				.75c



Cannas



National
Eezy Wear
Garden Gloves

Have Every Feature You Want
in a Garden Glove

All-Leather—DIRT PROOF—Durable
SOFT—Comfortable—WASHABLE

Easy on the hands and easy to wear!

Economical, too—outwear 6 pairs of ordinary fabric gloves, are washable and can be used the year round for garden, housework, yard, painting, furnace, garage, etc. You'll like them.

Sizes for Women (small, medium, large) for Men (small, medium, large). Price, 75 cents a pair, postpaid (2 pr. \$1.40.)

Mammoth Caladium Bulbs

These are particularly fine for center of beds, giving a beautiful effect where Cannas and Scarlet Sage are planted on the outside borders. They are only the choicest and most select bulbs, producing the most massive effect with their foliage.

	Ea.	3	Doz.
957 Mammoth Size Bulbs. .....	.50	1.25	4.00
958 Large Bulbs .....	.35	.85	2.50
959 Medium Bulbs .....	.15	.40	1.25

Tuberoses

For flowering out of doors plant as soon as the ground becomes warm and then at intervals of 2 or 3 weeks until July 15 for a succession of bloom throughout the summer.

	3	Doz.
80 Single Everblooming. Erect, long spikes of white flowers, very fragrant. ....	.20	.30
90 Double Excelsior Pearl. Extremely double waxy flowers of intense fragrance. ....	.20	.30

FALL BULBS

Narcissus and Holland grown Tulips, Hyacinths, Crocus ready for shipment about October 1st. Write for prices.

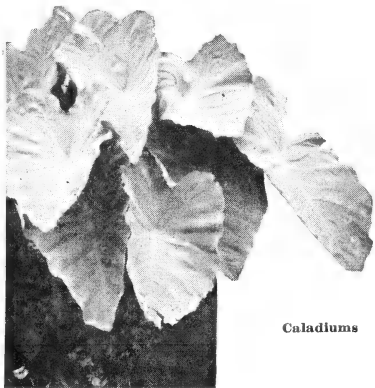


PLANTABBS

Concentrated, Complete,
Balanced Plant Food Tablets

Now contain Vitamin B₁ in proper, effective, measured amount; no odor, no mess. Always fresh and potent—ready for use and will produce startling results.

Post paid—30 tablets, 25c; 75, 50c; 200, \$1.00.



Caladiums



BUCHANAN'S FRUIT TREES

APPLE TREES

- 2 to 3 feet: Each, 35c; 5 for \$1.60; 10 for \$2.80; 25 for \$6.50; prepaid.
 3 to 4 feet: Each, 45c; 5 for \$1.95; 10 for \$3.75; 25 for \$8.75; prepaid.
- Early Harvest**—May and June. Medium size; pale yellow slightly acid; good quality. Ripens at a season when no other Apple is in.
- Yellow Transparent**—One of the best early market Apples, of medium size; skin yellow; flesh crisp and sub-acid; almost immune to blight.
- Red June**—Early. Medium size; dark red; white flesh; juicy, sub-acid; ripens over a long period; bears well and is a heavy cropper.
- Yellow Horse**—Late summer. Large size; yellow, slightly red where exposed to sunshine. One of the best cooking Apples; fills in between seasons.
- Grimes Golden**—Early winter. Large; golden yellow; of high quality. Tree vigorous; a heavy bearer.
- Yellow Delicious**—Early fall. Medium size. Splendid keeping qualities and the excellent flavor of red Delicious. Prolific bearer.
- Double Red Delicious**—Late fall. Fruit large, dark red, fine grained flesh, crisp and juicy and of high quality. A splendid shipper and prolific bearer.
- Stayman Winesap**—Winter. Larger and more prolific than the old Winesap. Rich, dark red; firm; fine grained and juicy; adapted to a wide range of soils and climates.
- Jonathan**—Fall. Good size, bright red, with a spicy, rich acidity that has made it a favorite with all apple lovers. Long lived, bears young.
- Transcendent Crab**—Late, hardy, heavy bearing, yellow with red cheek.

PEACH TREES

- 2 to 3 feet: Each, 30c; 5 for \$1.35; 10 for \$2.35; 25 for \$5.50; prepaid.
 3 to 4 feet: Each, 35c; 5 for \$1.55; 10 for \$2.70; 25 for \$6.25; prepaid.
- Halehaven (Free)**—New, early, yellow. Freestone. Fruit large, round like Hale with contrasting red and yellow color. Bears young and heavily.
- Golden Jubilee (Free)**—Fruit of Elberta shape and size, golden yellow, rich and syrupy. Ripens extra early. New Commercial variety.
- Carman (Free)**—Large; creamy white with deep blush; fine flavor; hardy in production; a good shipper; strong grower, and early bearer.
- Indian Cling or Blood Cling**—An old-time favorite wherever planted, and grows to a large size; dark red flesh; a deep red; highly flavored.
- J. H. Hale (Free)**—Larger than Elberta; ripens several days later; superior to Elberta in flavor; a beautiful golden yellow with deep carmine blush.
- Heath Cling (White Heath, Cling)**—Skin and flesh white, tinged with red; tender, juicy, and of high flavor. A wonderful Peach for canning and pickling.
- Red Bird (Cling)**—The best of the early peaches. Good size and flavor, white flesh, hardy, vigorous, productive. Excellent shipper.
- Belle of Georgia (Free)**—Very large; white with red cheek; firm and of excellent flavor.
- Early Elberta (Free)**—Very large; flesh yellow.
- Elberta (Free)**—A standard by which all other varieties are judged; very large; yellow with red cheek; flesh yellow, firm, juicy, of high quality.

PEARS

- 2 to 3 feet: Each, 40c; 5 for \$1.75; 10 for \$3.25; prepaid.
 3 to 4 feet: Each, 50c; 5 for \$2.15; 10 for \$3.95; prepaid.
- Bartlett**—Probably the most popular of all Pears. Large, juicy, yellow, sweet, and of high value for marketing or canning.
- Kieffer**—A money maker on account of its remarkably vigorous growth and early productiveness, its extraordinary size, splendid keeping and shipping qualities; excellent for canning and preserving.
- Douglas**—Larger than Bartlett, flesh fine grained, juicy and tender. Productive and blight resistant. Bears second year and a sure cropper.

CHERRIES

- 2 to 3 feet: Each, 40c; 5 for \$1.85; 10 for \$3.50; prepaid.
 3 to 4 feet: Each, 65c; 5 for \$3.00; 10 for \$5.50; prepaid.
- Black Tartarian (Sweet)**—Large, heart-shaped; purplish black; flesh tender, juicy, and fine quality. Tree an erect, beautiful grower and heavy bearer.
- Governor Wood (Sweet)**—Light yellow, extremely sweet, juicy, and of rich flavor. Tree vigorous and productive.
- Large Montmorency (Sour)**—Larger and finer than Early Richmond and ripens ten days later. Tree of rapid growth and a heavy bearer.
- Early Richmond (Sour)**—Extra early; bright red, very valuable for canning. Tree extremely hardy and productive. The earliest pie cherry available.
- PECANS**
- 2 to 3 feet: Each, \$1.10; 3 for \$3.00; 6 for \$5.75; prepaid.
 3 to 4 feet: Each, \$1.25; 3 for \$3.50; 6 for \$6.60; prepaid.
- Stuart**—Most popular variety. Nuts very large, shell medium thin. Heavy bearer.
- Schley**—Nuts large, shell very thin. Very best quality pecan. Kernels full, plump and rich flavored.
- Success**—Shell and partitions thin. Kernels large, sweet and of excellent quality. Heavy bearer.



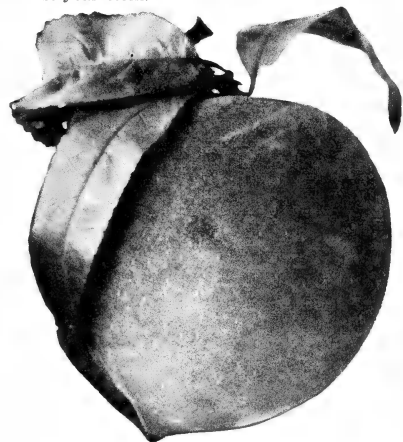
Stayman Winesap Apple

APRICOTS

- 3 to 4 feet: Each, 55c; 5 for \$2.50; prepaid.
- Moorpark**—Medium to large; pale yellow, with orange cheek; for canning or drying.
- Ea. Golden**—Pale orange-yellow; juicy and highly flavored.

FIG BUSHES

- 3 feet: Each, 60c; 5 for \$2.25; prepaid.
- Brown Turkey**—Fruit medium to large, pear-shaped, coppery brown skin with white or yellowish tinted flesh. Most popular variety.
- Celestial**—Small, violet colored. Very prolific, sweet and of excellent quality.
- Texas Everbearing**—Fruit large, pale violet, flavor excellent. Rapid growing, heavy bearing on first year stem.



Elberta Peach

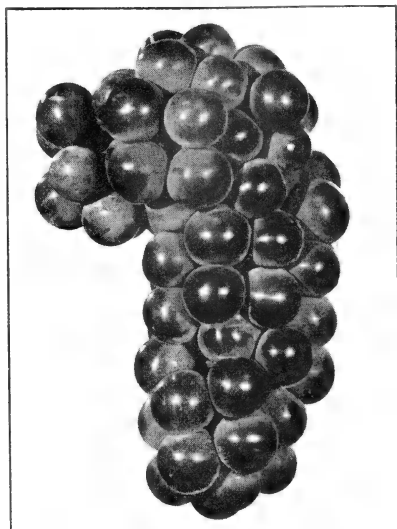
PLUMS

- 3 to 4 feet: Each, 50c; 5 for \$2.25; prepaid.
- Abundance (Japanese)**—Medium to large; bright red overlaying a yellow ground; cling. Strong, thrifty, upright grower, early and prolific.
- Burbank (Japanese)**—Large; mottled red and yellow; good quality; cling. Immense bearer.
- Red June (Japanese)**—Medium to large; deep red; handsome bloom; quality good; good shipper; ripens a week earlier than Abundance.
- Wild Goose**—One of the best known of all the Plums; large, deep red when ripe, good quality, very juicy. One of the best native varieties, ripening earlier than the Japanese sorts.
- Shropshire Damson**—Medium size; dark purple flesh; grown largely for preserving purposes.



BUCHANAN'S RASPBERRIES

All Prices on This Page Prepaid Except Shade Trees. Prices—6, 50c; 12, 75c; 25, \$1.35; 100, \$4.75.



Fredonia Grape



Strawberry Plant

Set 5 feet apart each way. Plant 2 or 3 inches deeper than they were in the nursery. After fruiting, cut old canes and burn, leaving 5 to 6 vigorous new ones to grow for fruiting the following year. In the spring, cut off the top 12 inches or possibly more of the previous season's growth to strong, well-ripened wood.

Latham—Finest, most productive commercial red raspberry. Long season.
St. Regis—Sometimes called "Everbearing." Berries bright crimson, large; very prolific, and of excellent flavor.

Cumberland—The most desirable of the black raspberries.

THORNLESS YOUNGBERRY

This delicious, quick and heavy bearing, vigorous growing cross between Loganberry and Dewberry, is even larger than the Loganberry. Purple black in color and deliciously flavored. Plant 4 by 8 feet apart and cover roots 1 inch.

Price—6, 75c; 12, \$1.35; 25, \$2.25; 100, \$7.50

BOYSEN BERRIES

Plant 4 feet apart in rows 8 feet across. You can grow from 10 to 30 plants from each plant set. Many claim 50 to 65 plants.

Thornless—This great berry is without a thorn, which means much in handling. It ripens a week ahead of the thorny type which gets your berries on the market while prices are higher. The berries themselves are identical and their remarkable and delicious flavor is unsurpassed. They will average 1 inch in diameter and 1½ inches long. The plants are very sturdy and hardy.

Price—6, \$1.00; 12, \$1.90; 25, \$3.75; 100, \$12.00

Thorny. Price—6, 60c; 12, \$1.00; 25, \$1.40; 100, \$5.35

GRAPE VINES

TWO YEAR VINES—Each, 20c; 6, 90c; 12, \$1.75; 25, \$3.25.

Fredonia—Earliest, finest black grape known; heavy fruiter.

Concord—Fruit dark purple, nearly black; extra large and very sweet.

Niagara—The most valuable white grape. Bunch and berry large.

Delaware—Red, rather small, juicy, sweet; best table grape.

Moore's Early—Desirable early black grape.

SCUPPERNONGS

The Scuppernong or Muscadine type grape is distinctly Southern.

TWO-YEAR VINES—Each, 60c; 5, \$2.50; 10, \$4.50; post paid.

Scuppernong—Very large, bronze fruit; very sweet; grown in clusters.

James—Large, black Scuppernong; delicate flavor.

Thomas—Medium size, round, dark, fine color. Highest in sugar content.

STRAWBERRY PLANTS

Set after frost in fall or before growth begins in spring; rows 3½ feet apart, 15 inches in rows, for field culture; 15 inches each way for garden. Cultivate clean, mulch late in fall. Remove mulch after fruiting and spade in light dressing of manure. About 7,000 plants an acre.

Mastodon Everbearing—The best everbearing strawberry yet introduced. A heavy yield—both spring and fall—of large, luscious, moderately firm berries. It blossoms late, thus avoiding danger of frost, and ripens its crop midseason. It is disease and drouth resistant.

Price—50, 85c; 100, \$1.25; 250, \$2.75; 500, \$4.50; 1,000, \$8.00

Yellow-Free Blakemore—Early—Solid—Productive—For shipping and home use. Grown more extensively than any other variety.

Improved Klondyke—The old standard shipping variety.

Aroma—Large late berry, bright red—fine for long distance shipping.

Price—50, 50c; 100, 95c; 250, \$2.00; 500, \$3.50; 1,000, \$5.00

FLOWERING SHRUBS

All strong 2-year plants—Each, 40c; 3 for \$1.10; 6 for \$2.00

ABELIA—Foliage small, dark green; flowers pinkish-white.

ALMOND—Rose-like flowers of pink or white.

ALTHEA—White, red, blue or purple.

JAPANESE BARBERRY—Foliage turns red and bronze in the fall.

Red berries.

BEAUTY BUSH—Flowers deep pink.

BUTTERFLY BUSH—Lilac colored flowers.

CALYCANTHUS—Chocolate colored flowers.

CREPE MYRTLE—White, red, pink or purple.

DEUTZIA, PRIDE OF ROCHESTER—Double white flowers, tinted pink.

FORSYTHIA—Golden yellow bell shaped flowers.

HONEYSUCKLE, JAPANESE BUSH—White flowers in early spring.

followed by red berries.

HYDRANGEA, A. G.—Large, white flowers in early spring.

HYDRANGEA, P. G.—Pure white flowers borne in large panicles.

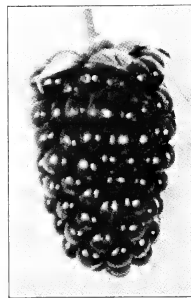
JASMINE, NAKED FLOWERING—Bright green, yellow flowers.

QUINCE, FLOWERING—Bright red flowers in early spring.

SNOWBALL, COMMON—Large ball-like flowers of pure white.

SPIREA, DWARF WHITE—White flowers borne in flat clusters.

SPIREA, PINK—Dwarf habit of growth, pink flowers.



Boysen-Berry

SPIREA, CRIMSON—Dwarf shrub with crimson flowers.

SPIREA, BRIDAL WREATH—White flowers on graceful branches.

SPIREA, BLUE—Dwarf shrub, blue flowers in mid-summer.

SPIREA, VAN HOUTTE—Very popular. Profusion of white flowers.

SNOWBERRY—Small shrub, arching branches. White flowers followed by clusters of white berries.

WEIGELA, PANICULATA—Dwarf shrub with red flowers.

WEIGELA, ROSEA—Deep pink flowers on drooping branches.

HARDY CLIMBING VINES

SILVER LACE—Rapid grower. Each, 60c; 3 for \$1.50

VIRGINIA CREEPER..... Each, 30c; 3 for \$.75

WISTERIA..... Each, 30c; 3 for \$.75

CLEMATIS, JACKMANI—Purple..... Each, 75c; 3 for \$2.00

CLEMATIS, HENRY I—White, large..... Each, 80c; 3 for \$2.00

CLEMATIS, PANICULATA—Sweet Scented..... Each, 30c; 3 for \$.75

GOLDFLAME HONEYSUCKLE..... Each, 65c; 3 for \$1.50

Rose, red and gold..... Each, 65c; 3 for \$1.50

ORNAMENTAL AND SHADE TREES

Express Collect

RED BUD—3-4 ft..... Each, 60c; 3 for \$1.60

FLOWERING PLUM—3-4 ft..... Each, 80c; 3 for \$2.25

FLOWERING CRAB—4-5 ft..... Each, 75c; 3 for \$2.25

FLOWERING PEACH—Red, white or pink..... Each, 75c; 3 for \$2.25

CHINESE ELM—3-4 ft..... Each, 75c; 3 for \$2.25



R.B. BUCHANAN SEED CO.

MEMPHIS, TENNESSEE.

BUCK BRAND TESTED SEEDS



FUNK'S G HYBRID SEED CORN

Treated with Semesan Jr.

"Bred to Beat the Elements"

Increases Yields 15 to 25 per cent.

**FUNK'S
G HYBRIDS**
due to their deeper
root system and
stronger stalks,
eliminate the loss
from blowing down
and rotting
after mature



Open Pollinated Corn



Funk's G Hybrid

**FUNK'S
G HYBRIDS**
lead open pollinated
corn in yields of
grain and fodder
and in resistance to
disease, insects and
adverse weather
conditions

Post Paid—Any Hybrid— $\frac{1}{2}$ gal., 85c; gal., \$1.50; pk., \$2.50; $\frac{1}{2}$ bu., \$4.50.

G-244 two eared, yellow, early maturity

A medium height hybrid that carries two ears of excellent grain qualities at waist height, on a good stalk that stands up well. This is one of the finest hybrids for use over a wide variety of soil types and fertility levels. You will find G-244 consistently in the upper bracket in a wide range of yield tests. G-244 has unusual resistance to insects which has contributed to its fine record during the past several years. Probably no other hybrid is so well adapted to early and late planting on all soils which afford adequate moisture.

G-46 single-eared yellow, medium to full season in maturity

This is a medium to tall hybrid with extra good stiff stalks, carrying long single ears of exceptional grain value at chest height and has a high degree of resistance to heat, drought, chinch bugs, grasshoppers and root worm. Its outstanding performance record in this territory has proven this hybrid one of the best. Adapted to all good corn soils.

Pay your taxes, like many progressive farmers are doing, with increased yields from Funk's G Hybrids.

The five Hybrids we offer have proven by actual farm test that they are adapted to the South.

Leave Hybrid Corn stand one-fourth to one-third thicker than open pollinated varieties. Cultivate Hybrid like any other corn. Although Hybrids increase yields on both poor and rich land, they will pay more if planted on your best land and fertilized.

G-125 semi-prolific yellow, medium to full season in maturity

A heavy yielding, vigorous growing hybrid adapted to the Central South. Ears are medium large, of high feeding value and high shelling percentages. Drought, chinch bug and root worm resistance contribute to its excellent performance record under varying conditions. In many tests G-125 has demonstrated its adaptation to varying soil conditions and is especially suited to the area east of the Mississippi River.

G-56 two-eared, yellow medium early

This hybrid grows medium tall with an abundance of dark green foliage, good stiff stalks and carries ears of outstanding grain quality at chest height. This hybrid has an exceptional resistance to heat, drought, cold, grasshoppers, chinch bugs and root worm. G-56 is not extremely early and rapid growing, therefore, is unusually desirable as a main crop hybrid. G-56 is a consistent performer in official and unofficial tests and is a particular favorite.

G-527W, single-eared, white, medium late

A rapid growing new white hybrid which has had an exceptionally fine yield record. Its drought and insect resistance, sturdy stalks, and its high yields have made it a top ranking white hybrid in every respect. The medium long, uniform ears are deep grained and provide the best quality roasting ears and milling corn.



Difference in Root Growth. Right, Funk's G Hybrid. Left, Open Pollinated

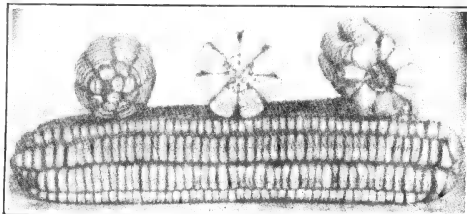
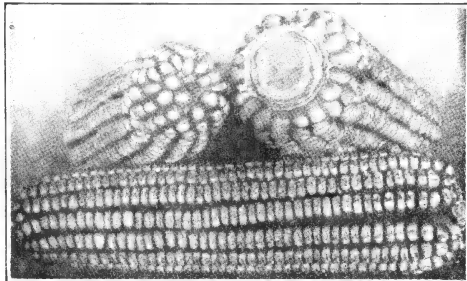


BUCHANAN'S SEED CORN

All prices on this page post paid through Third Zone only. Prices not prepaid—see Yellow Price List enclosed. Many times you can save money by buying 100 pounds or more of corn and other field seed, shipping same by freight.



Paymaster



Hickory King

1125—NEAL PAYMASTER (About 100 days)—Originated in Middle Tennessee, where the natural fertility due to abundance of phosphate and other necessary elements makes it ideal for producing a more potent type of seed corn. Due to its natural vigor and heavy yields it has been a corn by which others were judged for years in tests over the South. Paymaster is suited for both lowlands and good uplands. Produces a medium tall stalk with usually two well filled ears 8 to 9 inches long, broad white grains on a bright red cob—Planted thick it will produce a heavy tonnage of ensilage. On good land it has been the heaviest yielding open pollinated corn for a quarter century.

Price— $\frac{1}{2}$ gal., 35c; 1 gal., 60c; peck, \$1.10; $\frac{1}{2}$ bu., \$1.80

1126—TENNESSEE RED COB (About 120 days)—An extra large white field corn; grains long, broad and evenly lined on large red cob. The ears are 9 to 12 inches long, stalks tall, making it an ideal ensilage corn. Rather late maturing, but for bottom land and main crop this corn cannot be excelled. This is one of the largest grain, greatest yielding and best milling corns grown on rich land.

Price— $\frac{1}{2}$ gal., 35c; 1 gal., 60c; peck, \$1.10; $\frac{1}{2}$ bu., \$1.80

1129—SILVERMINE (About 100 days)—Medium large, very uniform ears, 8 to 10 inches; deep grain and prolific. Stalk is sturdy and large, 8 to 10 feet tall; blades wide and vigorous, giving plenty of forage. The best early white cob, white corn adapted to Southern soils and climate. Excellent for feed and milling. Although usually considered 110 day corn, our seed, coming from further north, will frequently mature in 90 days if weather conditions are favorable.

Price— $\frac{1}{2}$ gal., 35c; 1 gal., 60c; peck, \$1.10; $\frac{1}{2}$ bu., \$1.80

1132—HICKORY KING (About 110 days)—This is an entirely distinct variety among the white corns, combining the largest grain with the smallest cob. Ears fill out well and will make more shelled corn to bulk of ears than any other variety. It is good for roasting ears to follow Early Surprise; makes splendid quality of corn meal.

Price— $\frac{1}{2}$ gal., 45c; 1 gal., 70c; peck, \$1.15; $\frac{1}{2}$ bu., \$1.95

1136—MOSBY'S PROLIFIC (About 120 days)—The most prolific white cob, white corn for the South when planted on rich land. The stalks are tall, bearing 3 to 5 fine ears. The grains are long, set close to a small white cob, very uniform in shape, well filled. It has strong roots and will withstand storms better than any other prolific sort.

Price— $\frac{1}{2}$ gal., 35c; 1 gal., 60c; peck, \$1.10; $\frac{1}{2}$ bu., \$1.80

STATE CERTIFIED SEED CORN

The certification of seed corn is supervised by disinterested state authorities and is produced under very rigid regulations. Grown from superior strains that were bred many years for highest yield, purity, resistance to disease and strength of stalk. The Crop Improvement Association inspects each field to see that it is isolated from other varieties to prevent crossing. After harvest the ears must be hand selected, true to type, sound, and normal germination. State tests show that certified seed yields more than uncertified. The additional cost of a few cents an acre to plant certified strains will pay you back in dollars at harvest time. This insures certified corn to be the highest quality it is possible to buy.

1140—CERTIFIED NEAL PAYMASTER (100 days)—Securing pure bred seed is the first in producing a uniform heavy yielding corn crop. Since certified seed is a continual process of selection it results in constant improvement. Don't fail to plant your best corn land to our Certified Paymaster for maximum yields.

1141—CERTIFIED GOLDEN JARVIS PROLIFIC (90 days)—All of our Certified Jarvis is taken from stalks having 2 good ears or more to insure transmitting its prolific characteristic. Plant your medium rich and upland in this most carefully selected seed corn. Price, either variety— $\frac{1}{2}$ gal., 50c; 1 gal., 80c; peck, \$1.30; $\frac{1}{2}$ bu., \$2.30

**BUCHANAN'S SEED CORN**

All Prices on This Page Post Paid Through Third Zone Only
Prices Not Prepaid—See Yellow Price List Enclosed

1131—TENNESSEE YELLOW PAYMASTER (100 days)—A new, heavy yielding, yellow corn adapted to the Central South. The University of Tennessee developed this excellent corn by first crossing Jarvis Prolific and Neal Paymaster. Then by crossing back with Neal Paymaster for a number of years, eliminating most of the Jarvis characteristics, except the yellow color, this very prolific corn was developed which has all the desirable characteristics of Neal Paymaster. In many tests over this state Tennessee Yellow Paymaster has consistently produced higher yields than any other yellow corn. It is probably no better than Jarvis for thin land, but on rich land, well adapted to producing corn, it is certainly a most desirable corn to plant. Stalks medium height, strong, nearly all bear 2 ears 7 to 8 inches long; not flinty, but medium soft, with little or no faulty grains.

Price— $\frac{1}{2}$ gal., 45c; 1 gal., 70c; peck, \$1.15; $\frac{1}{2}$ bu., \$1.95

1142—REID'S YELLOW DENT (About 110 days)—Has probably won more championships in the corn belt than any other variety. It is medium early, large eared and semi-prolific. It is well adapted to the Mid-South if planted on good, rich corn land. It has large, beautiful, show-type ears, 10 inches long; 18 to 20 straight rows of deep grain, closely wedged together on a medium sized red cob. Tip and butt completely filled out.

Price— $\frac{1}{2}$ gal., 35c; 1 gal., 60c; peck, \$1.10; $\frac{1}{2}$ bu., \$1.80

1144—JARVIS GOLDEN PROLIFIC (About 90 days)—A yellow prolific corn with husk covering the ears so completely and tightly that it is practically impossible for any bird or weevil to get to the corn in the field. It produces firm ears always sound and the stalks are strong and storm resistant. Resists drouth remarkably well, produces two good, medium size ears to the stalk and is very desirable for a yellow roasting ear corn. The heaviest yielding corn on upland.

Price— $\frac{1}{2}$ gal., 35c; 1 gal., 60c; peck, \$1.10; $\frac{1}{2}$ bu., \$1.80

1139—LARGE YELLOW DENT (About 115 days)—A most popular large-eared variety of yellow corn for rich bottom land; produces a medium tall stalk with ears of uniform size and shape, 10 to 12 inches long, with 14 to 18 straight rows of yellow kernels on a medium sized red cob, and ears are well filled out over tip. Is drouth resistant and an excellent main crop variety.

Price— $\frac{1}{2}$ gal., 35c; 1 gal., 60c; peck, \$1.10; $\frac{1}{2}$ bu., \$1.80

1134—MEXICAN JUNE, NATIVE GROWN (About 90 days)—It is a great drouth resister and usually, if there is enough moisture for it to get a fair start, a crop is assured. Early maturing and semi-prolific, averaging more than one ear to the stalk. Ears 8 to 9 inches long, grains short to medium, cobs medium in size, and while usually white, red cobs are often found. Ears have mostly white grains, but dark blue and red grains often appear.

Price— $\frac{1}{2}$ gal., 45c; 1 gal., 70c; peck, \$1.15; $\frac{1}{2}$ bu., \$1.95

141—EARLY SURPRISE (Hard corn in 90 days)—This Northern grown, early maturing white corn is perfect to plant for quick feed crop. It is prolific producing medium long ears ideal for roasting ears or stock feed. Planted early and cut green you can grow 2 crops a season on same ground.

Price—Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 35c; $\frac{1}{2}$ gal., 50c; 1 gal., 85c; Peck, \$1.40; $\frac{1}{2}$ bu., \$2.25.

137—TRUCKERS FAVORITE (Hard corn in 90 days)—While usually planted for roasting ears, it is used freely by dairymen and stock raisers for quick feed planted either early or late. This is a prolific, rather deep grained white corn; medium size ears.

Price—Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 35c; $\frac{1}{2}$ gal., 50c; 1 gal., 85c; Peck, \$1.40; $\frac{1}{2}$ bu., \$2.25.

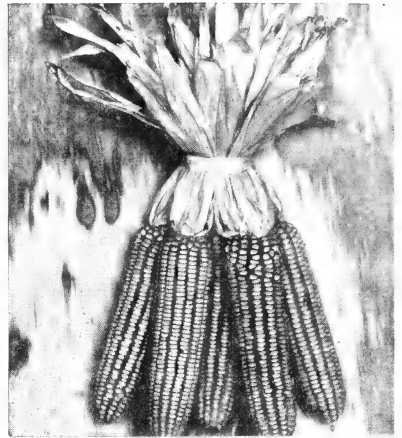
POPCORN

CULTURE—For field planting rows should be about 3 feet apart. Thin to 1 stalk about every 8 inches in row.

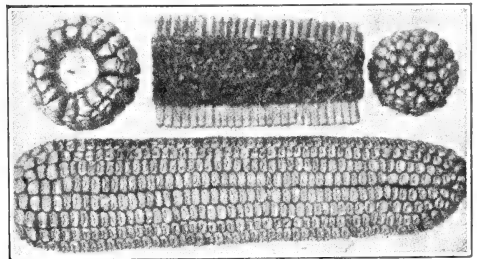
34—DYNAMITE—A vigorous grower, 6 to 8 feet tall, producing 2 and often 3 ears, 8 to 9 inches long, with deep orange kernels, smooth and round, which pop double the size of others. Rich creamy yellow, crisp, tender, deliciously flavored and no hard centers.

Pkt., $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 40c; 5 lbs., 70c

ALL SEED CORNS SHOULD BE TREATED WITH SEMESAN, JR. This treatment hastens and increases germination, increases the yield, protects corn from rotting, allows earlier planting, produces sturdy plants, controls seeding blight and reduces root rot.



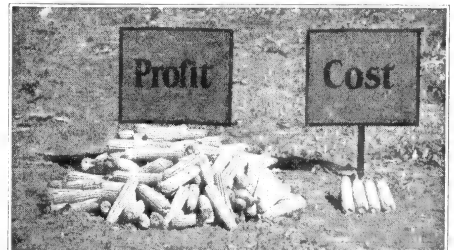
1131—Tennessee Yellow Paymaster



1139—Large Yellow Dent



1144—Jarvis Golden Prolific



New Improved Semesan Jr. increased the yield on the average 3.55 bushels per acre. Only 4 ears, or $3\frac{1}{2}$ pounds of corn required to pay for this increase in yield when corn is selling at 64c a bushel. See page 68.



D&P.L. 12

Similar to 11-A

BUT

Decidedly

Superior

The Delta and Pine Land Company has never offered a new variety or strain of cotton to the public until it was thoroughly tested in most of the Cotton Belt under a wide variation of soils and climatic conditions. Before final approval it must produce a high percentage of lint, satisfactory staple, and show good spinning quality. In these varied tests D.&P.L. 12 showed such marked improvement over D.&P.L. 11-A in productiveness, length of staple, lint turn out, and disease resistance that it was offered to the entire Cotton Belt in the spring of 1941 with absolute confidence in its superior performance, and these facts establish it as a most dependable variety of seed.

Our D.&P.L. 12 was grown on the Sycamore Bend Plantation at Hughes, Arkansas, and it is the only variety of cotton ginned on their private gin. **THEY DO NOT GIN FOR THE PUBLIC.**

Sycamore Bend Plantation secures their planting seed each year from the originator and by planting only one variety and ginning their cotton only, it is not mixed in any way. Since cotton cross pollinates very little if any, their seed are, from every standpoint, comparable to the originators.

The following figures show accurate results on one 20-acre plot for six years which is representative of the entire plantation. Note the average value per acre, keeping in mind prices of the lint cotton and the seed.

Year	Seed	Yield Per Acre	Acres	Cotton Produced Lbs.	Price	Cotton Value	Seed Produced Lbs.	Seed Per Ton	Seed Value	Total Value	Average Value Per Acre
1936	A popular staple cotton..	543	20	10,878	\$12.50	\$1,359.75	21,975	\$43.19	\$474.55	\$1,834.30	\$91.71
1937	A popular staple cotton..	695	20	13,915	7.80	1,085.37	15,894	20.00	158.94	1,244.31	62.21
1938	A popular staple cotton..	764	20	15,283	10.10	1,543.58	32,782	25.00	409.77	1,953.35	97.66
1939	D. P. L. 11-A.....	998	20	19,962	9.00	1,796.58	31,093	20.00	310.93	2,107.51	105.37
1940	D. P. L. 11-A.....	995	20	19,896	10.75	2,138.82	32,460	25.00	402.00	2,463.40	123.17
1941	D. P. L. 12.....	1015	20	20,306	16.50	3,350.49	32,170	50.00	804.25	4,154.74	207.73

This land cleared during the winter of 1935-1936. Has never had cover crop or commercial fertilizer. We are distributors in this area for the D.&P.L. 12 seed grown on Sycamore Bend Plantation.



R.B. BUCHANAN SEED CO. MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS



Field of Stoneville 2-B Cotton on Weilenman Plantation

STONEVILLE 2B COTTON SEED

We are exclusive distributors for Stoneville 2-B Cotton Seed grown on the Weilenman Plantation at Stoneville, Miss. The entire acreage on which these seed were produced was carefully inspected for Wilt, Anthracnose, Varietal Purity, Trueness to Type by Mississippi State Crop Improvement Association and Mississippi State Plant Board, both of State College, Miss.

THESE SEED ARE STATE CERTIFIED. TAKE NO RISK—PLANT CERTIFIED SEED ONLY.

This seed is ginned on a new \$30,000.00 gin with special seed saving vacuum which eliminates light and faulty seed, and is sacked in sealed bags at the gin.

All seed are machine de-linted, and treated with Ceresan, which means they will go much further in planting and give much improved stands.

The plant is medium vigorous, spreading and prolific and produces large bolls, 60 to 70 per pound of seed cotton.

Stoneville 2-B is one of the few early maturing big boll cottons. The bolls open well and the percentage of five lock bolls is large.

In valley lands the staple runs 1 1/16 to 1 1/8 inch and on high land 1 to 1 3/32 inch. The lint percentage in valley lands is 34 to 36% and on high land 35 to 38%.

No records are available showing that any other variety or strain of cotton has ever so consistently ranked high in as many tests under as many different soil and climatic conditions as has Stoneville 2-B.

Every year since the Weilenman plantation started growing Stoneville 2-B Cotton when it was first increased on their plantation they have averaged a bale or more to the acre, in spite of the fact that they have never poisoned to control the cotton insects. Stoneville 2-B is generally early enough in maturity to evade damage of insects.

Below we give its official record in the tests where it appeared. Practically every known American variety of cotton of which seed is available commercially was in some one, or several of the tests in competition with the 2-B.

WE ARE EXCLUSIVE DISTRIBUTORS IN THIS AREA FOR STONEVILLE 2-B GROWN ON THE WEILENMAN PLANTATION. SEE PRICES ON THE YELLOW SHEET.

ARKANSAS

Highest average in money value in five tests over the State in 1937.

Highest average in money value in seventeen tests over the State in 1938.

Highest average in money value in tests at Newport and Marianna of 16 varieties in 1939.

We quote from summarized report of outlying cotton variety work for 1938, issued by the University of Arkansas: "Of the sixteen varieties included in the outlying tests, Stoneville 2-B has the widest adaptation. It performs well under favorable soil and climatic conditions and also does reasonably well under the most rigorous conditions."

LOUISIANA

Highest average in money value in ten tests over the State in 1937.

Highest average in money value in nine tests over the State in 1938.

Highest average in money value of all varieties in the tests in 1939.

MISSISSIPPI

Highest average value in money value in seven tests over the State in 1936.

Highest average in money value in sixteen tests over the State in 1937.

Second highest average in money value in twelve tests over the State in 1938. The highest average in 1938 was made by a long staple variety.

Highest average in money value of all varieties in the tests in 1939.

MISSOURI

Highest average in money value in two tests in 1937.

Highest average in money value in three tests in 1938.

Highest average in money value in all tests in 1939.



Mowing Alfalfa

ALFALFA SEED—VERIFIED ORIGIN

Post Paid Prices on This Page Through Third Zone Only. Quantity Prices on Yellow Price List Enclosed.

ALFALFA PRODUCES MORE FEED THAN ANY OTHER CROP

The yield should be more than three tons per acre where there is abundant rainfall and a long growing season.

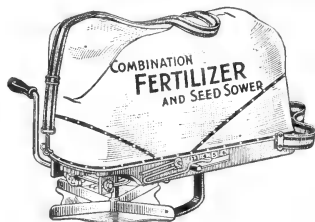
Alfalfa and corn fed together make a good ration for all live stock—Alfalfa belongs on every farm—for hog pasture, hay for the dairy herd, family cow or chickens. For sheep and beef cattle, no other roughage is equal to alfalfa hay.

When comparing alfalfa with other crops, remember one sowing of alfalfa may last five years.

Alfalfa should be sown in the spring as soon as there is no danger of freezing weather or early enough in the fall to permit the plants to become well established before winter sets in. Sow 20 to 30 pounds per acre. Except under very favorable conditions, alfalfa should be sown without a nurse crop.

Alfalfa should be cut for hay when the plants are well in bloom.

FERTILIZER AND SEED SOWER



The Combination Sower also broadcasts all kinds of seed, such as clover, timothy, millet, lespezoza, sudan grass, alfalfa, wheat, etc., perfectly in desired amounts per acre. Convenient for applying fertilizer or seed on fairways, greens, parks, lawns, etc. At Store, \$4.00; post paid, \$4.25.

"CYCLONE" SEED SOWER

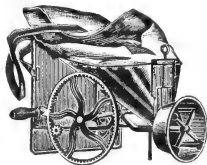


Guaranteed to sow perfectly even all varieties of farm seeds such as clover, timothy, red top, alfalfa, lespezoza, sudan grass, oats, rye, millet, wheat, buckwheat, turnip, lawn grass, etc., and can be regulated to sow any amount per acre. This machine is strongly built and mechanically perfect. The bag holds about one-half bushel. It is easily operated. At Store, \$2.75; post paid, \$3.00.

CAHOON SEED SOWER

This sower has been known and recognized as standard equipment in all parts of the world for 60 years, sows all kinds of grain and grass seed four to eight acres per hour. Bag and hopper hold 22 quarts; two gates govern the quantity of seed used very closely, preventing waste.

At Store—\$5.00; Price post paid, \$5.35.



1050—KANSAS ALFALFA—Seed grown in Kansas has been for many years very popular and planted freely over the entire South. Kansas pioneered in alfalfa production and seed from this area, having withstood the extremely rigorous climate of this state, is certainly well adapted to planting in the Central South. Kansas grown seed yields an abundance of forage and if properly cared for will produce profitably for a number of years.

Post paid—1 lb., 70c; 5 lbs., \$2.65; 10 lbs., \$4.75; 20 lbs., \$9.00

1051—DAKOTA 12 ALFALFA—This variety is the result of years of careful selection and is practically immune to winter killing. Probably yields a little less tonnage than seed produced farther south, but is a stronger, harder type.

Post paid—1 lb., 75c; 5 lbs., \$2.75; 10 lbs., \$4.95; 20 lbs., \$9.40.

1068—OKLAHOMA ALFALFA—As compared to many other alfalfa seed producing sections Oklahoma is probably the most recently developed. Since this is the case these fields are practically disease free and there is an absence of weeds injurious to alfalfa production found in areas that have been planted in alfalfa for many years. The State of Oklahoma has a very varying climate—extreme cold in winter and intense heat in summer. Heavy rainfall is not uncommon and extreme drouth is experienced almost annually. Because the plants are subjected to such weather adversities they are extremely hardy. For these reasons Oklahoma seed has proven perfectly adapted to this area, and since it affords three to five abundant cuttings a year it is rapidly replacing seed from other sources.

Post paid—1 lb., 65c; 5 lbs., \$2.50; 10 lbs., \$4.50; 20 lbs., \$8.50

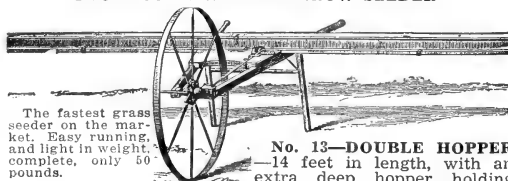
1052—ARGENTINE—About eight years ago we began to offer Argentine Alfalfa imported from South America. It has proven entirely adapted to the South, producing heavy yields consistently and withstanding the adversities of our Southern climate unusually well. Many large planters have reported even heavier yields from their Argentine plantings than from any other types of Alfalfa. It grows rapidly affording 2 to 4 cuttings per year and resists being crowded out by grass and weeds as well as native grown seed. Ten per cent of these seed are stained red to comply with Federal Law.

Post paid—1 lb., 50c; 5 lbs., \$1.95; 10 lbs., \$3.40; 20 lbs., \$6.30

THE HORN SEED SOWER

Will sow any fine seed like clover, lespezoza, timothy, alfalfa and grasses. Each, 95c; parcel post paid, \$1.05.

THOMPSON'S WHEELBARROW SEEDER



The fastest grass seeder on the market. Easy running, and light in weight, complete, only 10 pounds.

average wheelbarrow seeder. Does not have to be refilled so often. Best for sowing lespezoza seed and alfalfa, clovers, millet, timothy, grasses, etc. Chain feed.

At Store—Each, \$19.75



Red Clover in Blossom

**For Best Results with All Clovers Inoculate the Seed
All Prices on This Page Post Paid Through Third Zone Only
Prices Not Prepaid—See Yellow List Enclosed**

1053—RED CLOVER (Medium Red Blossom)—Red Clover not only furnishes excellent pasturage and abundant hay crops, but enriches the land and adds humus to the soil. It is second in food value only to alfalfa. It makes two or more cuttings of hay each season, and can be sown alone or in combination with other clovers and grasses. Sow seed during the spring or fall at the rate of 8 to 12 pounds to the acre.

Price—1 lb., 45c; 5 lbs., \$1.70; 10 lbs., \$3.15; 15 lbs., \$4.45

1055—ALSYKE CLOVER (Delicate Pink Blossom)—This is one of the hardiest varieties known. It is perennial and does not winter kill. It will do better on moist land than any other variety of clover, and is suitable for either hay or pasture. When sown with grasses, it forms a thick undergrowth and greatly increases the yield. It is frequently sown both with Red Top Grass and Timothy, and the quality of hay thus produced is excellent. It is fine-stemmed and leafy, and thus is quickly cured. Sown alone for forage, 5 to 8 pounds per acre, in mixture, Alsylke 5 pounds, Red Top 5 pounds, Timothy 6 pounds.

Price—1 lb., 50c; 5 lbs., \$1.80; 10 lbs., \$3.35; 15 lbs., \$4.75

1057—SWEET CLOVER (White Blossom)—There is probably no crop that will improve soil fertility as fast as Sweet Clover and it will grow on any type of soil, provided it is well limed and inoculated. It grows two years from one seeding and no other plant will furnish as much nutritious grazing per acre as sweet clover; or, it will produce two heavy cuttings of hay the first year, one the second year and a seed crop. Sow 15 to 20 pounds to the acre.

Price—1 lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.25; 15 lbs., \$2.95

CROTALARIA

A legume that frequently produces 30,000 pounds of green manure per acre. When turned under the cash value of the nitrogen is estimated at \$20.00 per acre, besides the untold value of humus which prevents erosion, holds water in sandy soil and opens up heavy soil. Yields of following crops are frequently doubled. Completely smothers out summer weeds. Grows well on any soil. Crotalaria probably will make more growth on sandy and light poor soil than any other legume. Requires no lime, fertilization or cultivation, although early cultivation pays. Sow 15 to 20 pounds per acre broadcast or 5 pounds in rows after danger of frost. Our seed is scarified and germinates readily. **SHOULD BE INOCULATED. TAKES SAME INOCULATION AS COW PEAS.**

1270—EARLY CROTALARIA—Most desirable for planting in upper South since it grows more rapidly. Should be used more as a catch crop after oats or sown just before the last cultivation of corn, cane or cotton in the central and lower South.

Price—1 lb., 30c; 5 lbs., 80c; 10 lbs., \$1.45; 15 lbs., \$1.90

1271—LATE CROTALARIA—Although it makes about a foot more growth than any other Crotalaria, averaging 7 feet high, and will yield 15 or more tons of green manure per acre, does not make its maximum growth as quickly as the early type. This strain should be used in all cases where early planting is possible.

Price—1 lb., 30c; 5 lbs., 80c; 10 lbs., \$1.45; 15 lbs., \$1.90

1066—HOP CLOVER (Yellow Blossom)—Grows about 6 to 8 inches high. Its growing season is from very early spring until early summer. Especially valuable for pasture when sown very early with Japan Clover on Bermuda sod or with any grasses, clovers or mixtures which do not make a heavy early spring growth. It is the earliest and fastest growing clover adapted to Southern soils and climates. Sow 4 to 5 pounds alone or 2 pounds to acre in mixtures.

Price—1 lb., 75c; 5 lbs., \$3.25; 10 lbs., \$5.80; 15 lbs., \$8.25

1056—WHITE DUTCH CLOVER (White Blossom)—Will grow on almost any soil. Largely used for sowing on lawns, mixed with Kentucky Blue Grass and other grass seeds, and is very valuable because it supplies nitrogen to the soil, thereby aiding other plants in the sod and building up soil fertility. Furnishes abundant early and late fall grazing and should be used in all permanent pastures. Sow in fall or early spring.

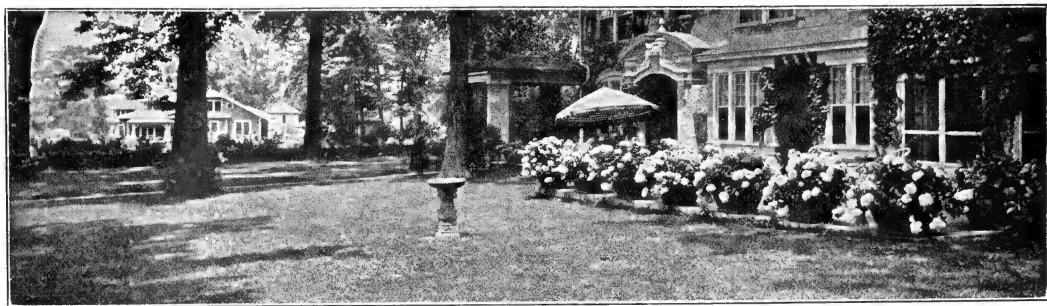
Price—1 lb., \$1.10; 5 lbs., \$4.90; 10 lbs., \$9.25; 15 lbs., \$13.20

1060—CRIMSON CLOVER (Scarlet Blossom)—Succeeds on almost any good soil. Don't fail to sow your Lespedeza and Bermuda sod to this winter annual at the rate of 20 pounds per acre in October without any preparation. It will furnish an abundance of late winter and early spring grazing. Sown at the rate of 15 pounds per acre on a prepared seed bed any time after August 15th and up to October 1st, or can be sown in early corn, covering shallow, during August, using 15 pounds to the acre. Crimson Clover furnishes good hay and adds fertility to the soil.

1062—GIANT SOUTHERN BUR CLOVER—Seed should be sown broadcast on a prepared seed bed, 100 pounds per acre, or in cotton middles, using 50 to 60 pounds per acre. Cover shallow. Sow in July, August, September, or, in lower South, October. You will find this a splendid crop to grow for soil building. Bur Clover and Bermuda Grass make a splendid combination for permanent pasture which is excellent for all livestock. Bur Clover will grow on almost all types of soil and can be depended on to add humus and nitrogen to the soil annually without sacrificing the regular summer crop, and is one of the cheapest legumes that serve as a winter cover crop. If it is allowed to mature a crop of seed before plowing under it will reseed itself for a number of years. Unexcelled as a soil building legume.



Single Plant Bur Clover



GRASS SEEDS FOR LAWN, PASTURE AND HAY

HINTS ON FORMATION OF LAWNS—Spade or plow ground to the depth of 8 inches. Afterwards harrow or rake carefully, pulverize all lumps. If the soil is poor, fertilize freely, working into the soil, then rake level and roll the soil well to make a solid bottom. Scatter the seed evenly over the surface. Rake seed in and roll, water regularly and carefully, as the soil is liable to dry out in the heat of the day, and if it does while the seed are germinating, a poor stand will be secured. Should bare spots appear, rake the surface and sow more seed.

QUANTITY TO SOW FOR LAWNS—You cannot sow too much; the more, the better; it means quicker, more satisfactory and lasting results. We recommend, on new ground, for average mixtures, to sow as follows: 2 pounds on 600 square feet (20 x 30); 5 pounds on 1,500 square feet (30 x 50).

All Prices on This Page Post Paid Through Third Zone Only. Prices Not Prepaid—See Yellow Price List Enclosed

1117—BUCK BRAND PERMANENT LAWN GRASS SEED—By far the best mixture of grasses offered for the purpose of quickly producing a permanent lawn. It is prepared from our own formula, and is a careful blending of varieties adapted to producing the thick growth and velvety appearance so much sought after. Each variety of grass in this mixture is there for a special purpose; some for making strong, fibrous roots, which take hold upon the soil and keep the turf in place; others of a creeping nature quickly fill up any bare spots which may develop; varieties which are useful for color value, and also kinds that withstand adversity. Sow in early spring or fall.

Price—1 lb., 45c; 5 lbs., \$1.70; 10 lbs., \$3.20; 15 lbs., \$4.25

1118—BUCK BRAND SHADY LAWN GRASS SEED—Usually it is not difficult to obtain good turf under trees if the correct seed varieties are used. To make a new lawn in the shade spread lime at the rate of 1 pound to each 20 square feet; apply Vigoro or other complete fertilizer at the rate of 2 pounds per 100 square feet; rake smooth and sow Buck Brand Shady Lawn Grass Seed; rake again to cover the seed and either roll with a light roller or flatten with the back of a spade. Use 1 pound of seed for each 10 feet by 30 feet; sow at half these rates when renovating a lawn. Where shade is excessive it may be necessary to sow additional seed for one or two years. Late winter or very early spring seeding will give best results.

Price—1 lb., 50c; 5 lbs., \$1.75; 10 lbs., \$3.30; 15 lbs., \$4.50

1103—KENTUCKY BLUE GRASS—A lawn and pasture grass, succeeding best on fertile, heavy soils which contain lime and phosphate, but does well on a variety of soils if lime is added. Kentucky Blue Grass should be included in all permanent pastures sown where it is adapted as no grass is more nutritious. It is one of the first to start up in the spring and gives excellent grazing in the fall. Sow for pasture about 15 pounds to the acre. A most beautiful lawn grass, especially adapted to shaded areas. It forms a close turf, is slightly creeping and quite hardy. Sow 1 pound to 300 square feet. Late winter or very early spring seeding is preferable.

Price—1 lb., 45c; 5 lbs., \$1.60; 10 lbs., \$2.95; 15 lbs., \$4.00

1100—BERMUDA GRASS (Unhulled)—The most dependable grass for lawns, golf courses and pastures in the South, and when once established no amount of hot, dry weather will kill it out. It succeeds on nearly all soils; makes a tough, deep, smooth turf that recovers quickly after cutting and will endure more trampling and rough treatment than any other lawn grass. We recommend it as the foundation grass for almost all pastures since it combines to great advantage with White Dutch, Hop, Bur and Crimson Clover and Rye Grass, thus making an almost year round heavy producing pasture. For lawns sow 1 pound to 300 square feet; pastures 15 pounds per acre. April through June.

Price—1 lb., 50c; 5 lbs., \$1.90; 10 lbs., \$3.75; 15 lbs., \$5.25

1102—HULLED BERMUDA GRASS—Same as unhulled, but the hull is removed. This new process promotes quicker germination enabling you to sow from April through July. Our tests show that the hulled type will germinate fully within 10 to 12 days, while the regular unhulled types take from 21 to 30 days. This should revolutionize the planting of Bermuda lawns, the only objection to Bermuda seeding before, being the length of time necessary for germination. Sow half as much Hulled Bermuda as you would Unhulled. Bermuda will stand more hot sun than any grass known.

Price—1 lb., 65c; 5 lbs., \$2.75; 10 lbs., \$5.25; 15 lbs., \$7.50

1107—WINTER RYE GRASS—Used extensively throughout the South for winter lawns. Merely sow Rye Grass on your permanent sod late September to early November and you will have a beautiful green velvety lawn throughout the winter. Sow your lespedeza fields and permanent pastures to Rye Grass in October and secure an extra three months grazing per year with little cost and no preparation. For lawns sow 1 pound to 10 feet by 10 feet, for pasture 35 pounds to acre.

Price—1 lb., 30c; 5 lbs., 85c; 10 lbs., \$1.45; 15 lbs., \$1.80

1101—RED TOP OR HERD'S GRASS—Red Top or Herd's Grass is one of the most valuable and satisfactory grasses for the South. Succeeds well on any good upland and low-ground, and grows better on land that overflows than almost any other grass. It is one of the easiest grasses to get started, and once established it thickens and improves, increasing yield every year, and should be included in all mixtures for lawns and pastures. Sow 15 to 20 pounds per acre in early fall or spring.

Price—1 lb., 40c; 5 lbs., \$1.25; 10 lbs., \$2.20; 15 lbs., \$2.95

1104—ORCHARD GRASS—Very vigorous and hardy, having special value as a pasture grass, furnishing abundant grazing in early spring and late fall. Also will yield a fair quantity of nutritious hay. Ideal for sowing with other grasses and clovers. Its growth is checked during hot weather. Does well on almost any type rather fertile soil, but prefers abundant moisture. Will stand much shade and is excellent for woodland pastures and for sowing in gullies to prevent erosion. Sow about 15 pounds to acre either in the early fall or early spring.

Price—1 lb., 60c; 5 lbs., \$2.75; 10 lbs., \$4.30; 15 lbs., \$5.95

1111—SUDAN GRASS—Sudan Grass is used mainly as a hay crop, but is also an excellent annual pasture grass, especially for the dry, hot summer months when other pastures are short. If sown immediately after frost danger it will produce two or three heavy cuttings of hay very high in feeding value. Cut just as heads appear. After cutting it renews its growth promptly and in about 60 days another cutting is ready. Yields 2 to 4 tons per acre. Sow broadcast or with drill, 30 to 40 pounds per acre.

Price—1 lb., 25c; 5 lbs., 60c; 10 lbs., 95c; 15 lbs., \$1.25; 25 lbs., \$1.90.

BUCHANAN'S GRASS SEED AND PASTURE MIXTURES

All Prices on This Page Post Paid Through Third Zone Only
Prices Not Prepaid—See Yellow Price List Enclosed

**SOW
PASTURE
MIXTURES
IN
LATE WINTER
OR
EARLY SPRING**

1105—DALLAS GRASS (*Paspalum Dilatatum*)—A perennial, especially popular in the South, starting growth in mid-spring and remaining green until frost. When well established it will afford more nutritious grazing, especially in hot, dry weather, than any other Southern pasture grass. Besides being a superior pasture grass Dallas is a fairly good hay plant. It is adapted to a wide variety of soils, but prefers heavy and somewhat moist land. When this unusual grass is combined with the late winter and very early spring pasture grasses and clovers as Hop and White Dutch Clover, Red Top, and Orchard Grass, a most excellent pasture will result which will afford heavy grazing about nine months per year. Sow in March and April, earlier in the lower South, on well prepared land. Cover little or none. Plant 10 pounds per acre.

Price—1 lb., 45c; 5 lbs., \$1.70; 10 lbs., \$3.20; 15 lbs., \$4.25

1106—CARPET GRASS—Carpet Grass is one of the most valuable pasture grasses for the lower South. It grows on poor sandy soils better than Bermuda and does well on most any soil with a fair amount of moisture. It spreads rapidly, stands closest grazing and heavy trampling. For lawns and golf courses it will make a heavy sod and the closer it is cut the better it grows. It also does well in pastures with Bur Clover, thus giving all year grazing. Sow 15 pounds per acre for pasture, twice this for lawns, from March until June.

Price—1 lb., 45c; 5 lbs., \$1.65; 10 lbs., \$3.15; 15 lbs., \$4.20

1108—TIMOTHY—Timothy requires good land for heavy yield. If sown with Red Clover the clover will help to supply nitrogen. Red Top or Herd's Grass and Red or Alsike Clover all mature at the same season as Timothy and are excellent to sow with it for hay or grazing, increasing the yield of hay and pasturage. A good mixture is 6 pounds Timothy, 5 pounds Red Top or Herd's Grass, and 5 pounds Alsike Clover; this mixture will furnish an excellent hay and fine pasturage on good loamy soils or on low ground. If Timothy and Alsike Clover are sown together, mix 8 pounds Timothy and 6 pounds Alsike. Sow in early fall or early spring alone or in mixtures.

Price—1 lb., 30c; 5 lbs., \$1.00; 10 lbs., \$1.80; 15 lbs., \$2.25

1061—COMMON LESPEDEZA—Sow all Lespedezas February through April. Lespedeza is the salvation of Southern impoverished lands, and it produces a good hay crop on more fertile soil. Common Lespedeza has never failed to grow on any soil in the Middle or Southern States, and while it will grow year after year on hard, compact, uncultivated soil, it will respond in a marked degree to proper preparation. When sowing Lespedeza in a pasture mixture always sow Common since it withstands more adversity and closer grazing than any other. Sow 20 or 25 pounds per acre in winter or early spring.

Price—1 lb., 40c; 5 lbs., \$1.45; 10 lbs., \$2.75; 25 lbs., \$6.25

1080—KOBÉ LESPEDEZA—A taller, improved type of Lespedeza which grows much ranker and has larger leaves. It has been known to grow 38 inches tall, but usually about 2 to 2½ feet. Possibly due to its rank growth, completely shading the ground and thus retaining moisture, it is much more resistant to dry weather than other Lespedezas. Excellent for pasture and a leading hay variety. Sow 20 to 25 pounds per acre.

Price—1 lb., 35c; 5 lbs., \$1.15; 10 lbs., \$1.95; 25 lbs., \$4.25

1078—TENNESSEE No. 76 LESPEDEZA—This variety is similar to common, except that it is taller and more upright in growth, holding all the branches off the ground. It is finer stemmed than either Korean or Kobe and on account of this produces a superior quality hay. It continues to grow until killing frost, furnishing excellent pasture after the others have lost their leaves. Because of its long growing season it is probably the heaviest yielding hay variety. Sow 20 to 25 pounds per acre.

Price—1 lb., 40c; 5 lbs., \$1.45; 10 lbs., \$2.75; 25 lbs., \$6.25

1079—KOREAN LESPEDEZA—The earliest of the annual Lespedezas. It comes up early in the spring and grows rapidly, furnishing much earlier pasture than any other variety and more nutritious grazing at a time when other grasses and clovers are not at their best. It is the only variety that can be cut for hay in August and if sufficient moisture is available will produce a seed crop before frost. Sow 20 to 25 pounds per acre.

Price—1 lb., 30c; 5 lbs., 80c; 10 lbs., \$1.40; 25 lbs., \$2.90

1112—BUCK BRAND SHADY PASTURE No. 1—Composed of the grasses and clovers which grow best in the shade. Every farmer wants some shady spots in his pasture if it is possible to have them, also wants his shady ground to produce, therefore we furnish this mixture, composed of the following grasses and clovers: Blue Grass, Japan Clover, Hop Clover, Rye Grass, White Clover, Red Top, Orchard Grass. Sow 15 pounds to acre.

Price—1 lb., 45c; 5 lbs., \$1.70; 10 lbs., \$3.20; 15 lbs., \$4.25

1113—BUCK BRAND UPLAND MIXTURE No. 2—This mixture is our main pasture mixture for general planting and is composed of clovers and grasses which do well on our Southern uplands, mixed of high grade seeds: Red Top Grass, Rye Grass, Orchard Grass, Red Clover, Alsike Clover, Japan Clover, White Clover, and Hop Clover. Sow 15 to 20 pounds to the acre.

Price—1 lb., 45c; 5 lbs., \$1.70; 10 lbs., \$3.20; 15 lbs., \$4.25

1114—BUCK BRAND LOWLAND PASTURE No. 3—Almost every farm has some low land unfit for cultivation, owing to its remaining wet until too late to plant in the spring, and this very land would be made to pay well if sown with our Lowland Pasture Mixture. This mixture will give a good yield of hay in middle of summer if not grazed too closely in spring. This is truly a good grazing and hay making mixture for any lowland. Mixed of following seeds: Alsike Clover, White Clover, Red Top, Timothy, Orchard Grass, Rye Grass, Carpet Grass, and Lespedeza. Sow 15 to 20 pounds to the acre.

Price—1 lb., 45c; 5 lbs., \$1.65; 10 lbs., \$3.10; 15 lbs., \$4.00

1116—BUCK BRAND PERMANENT HOG PASTURE No. 5—Mixed so as to furnish the best possible hog pasture over a long period. Composed of the following seeds: Red Clover, White Clover, Japan Clover, Alsike Clover, Orchard Grass, Rye Grass, Hop Clover, and Red Top Grass. Sow 20 to 25 pounds to an acre.

Price—1 lb., 45c; 5 lbs., \$1.70; 10 lbs., \$3.20; 15 lbs., \$4.25

LESPEDEZAS

1077—SERICEA LESPEDEZA—A Perennial Lespedeza, sending up new shoots from the crown after cutting or grazing. It will grow, thrive and thicken on poor, thin lands and on sour soils. We have never known it to be killed by drouth. It should not be cut more than twice in a year and will produce about four tons per acre of hay almost equal in feeding value to Alfalfa. Or, a hay crop may be made from the first cutting and later an abundant seed crop can be harvested. For the best quality hay, Sericea should be thick and must be cut before the stems become too coarse and woody. It also furnishes proportionately more grazing than any other Lespedeza. If not cut more than twice a year nor grazed too late in the fall it will continue profitable production indefinitely. It is most valuable to plant on soil that is too poor and eroded to produce any other profitable crop. Sow 15 to 20 pounds per acre.

Price—1 lb., 40c; 5 lbs., \$1.35; 10 lbs., \$2.50; 15 lbs., \$3.45; 25 lbs., \$5.25.



Sericea Lespedeza

BE SURE TO INOCULATE ALL LESPEDEZAS



DWARF ESSEX RAPE

Prices on This Page Post Paid Through Third Zone Only. Quantity Prices on Yellow Price List Enclosed.



Dwarf Essex Rape

1063—DWARF ESSEX RAPE—Is one of the most valuable green forage crops, furnishing an abundance of quick, cheap pasturage for poultry, hogs and sheep. Makes a profitable crop on fertile soil only and can be grazed 6 to 8 weeks after planting. Sow broadcast alone or with grain, either spring or fall; it will afford more grazing per acre at a time when most needed than any other plant. One of the most nutritious of all green feed. Sow 8 to 10 pounds per acre broadcast.

$\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 5 lbs., \$1.10; 10 lbs., \$2.10; 15 lbs., \$2.90.

COW PEAS

1235—THE WHIPPOORWILL—Also known as speckled. The seeds are buff, brown, or gray, depending on type, and are speckled; they are spoken of as bush peas, but will make vines when planted on rich land; on poor soil they produce few vines and many peas. The Whippoorwill is the most popular general purpose stock pea for either seed or hay. Sow broadcast 1 to $1\frac{1}{2}$ bushels per acre for hay or drill 15 pounds in rows 2 to 3 feet apart. They mature in about 90 days.

$\frac{1}{2}$ lb., 15c; 1 lb., 20c; 2 lbs., 35c; 1 gal., 75c; 1 pk., \$1.35

1238—NEW ERA—The seed have a blue cast with many black specks—an early maturing upright growing variety, very prolific producer of peas, small vines cure quickly, splendid for hay. Seed are smaller than Whippoorwills and it does not require as many to plant an acre. Sow broadcast about 1 bushel to an acre for hay. They mature in about 80 days.

$\frac{1}{2}$ lb., 15c; 1 lb., 20c; 2 lbs., 35c; 1 gal., 75c; 1 pk., \$1.35

1239—BLACK—Seeds jet black. Viny or running, making a fine growth of vines and leaves—shy seeder, splendid land improver, most valuable as a forage crop. Plant in rows of corn 8 pounds to acre. If broadcast for hay mix some upright-growing pea with them to hold vines off the ground when cutting. Mature in about 120 days.

$\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 35c; 1 gal., 80c; 1 pk., \$1.45

1236—CLAY—The seed are buff colored, medium size; the plant is large, vigorous growing and of vining or running habit. The Clay pea is used mostly for hay. Sow broadcast a bushel to an acre, for hay or turning under—drill 12 pounds to the acre in 2 to 3 foot rows on poor soil for seed. They mature in about 110 days.

$\frac{1}{2}$ lb., 15c; 1 lb., 20c; 2 lbs., 35c; 1 gal., 75c; 1 pk., \$1.35

1240—RED RIPPER—Seed are red. It is a vigorous growing vining pea. And on account of this it is ideal to plant on thin land to turn under. Planted mostly for soil improving and in mixtures for hay. Sow broadcast bushel to acre. They mature in about 110 days.

$\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 35c; 1 gal., 80c; 1 pk., \$1.45

1237—MIXED PEAS—For hay and soil improving, our mixtures consist of upright and vining peas—the upright growing peas, such as Whippoorwill or New Era hold the vining or running peas such as Black Clay and Red Rippers, off the ground, which makes it much easier to cut for hay. We sell more mixed peas for hay than all other varieties combined. Broadcast from 1 to 2 bushels to an acre; ready to cut for hay in about 90 days.

$\frac{1}{2}$ lb., 15c; 1 lb., 20c; 2 lbs., 35c; 1 gal., 75c; 1 pk., \$1.35

PEANUTS

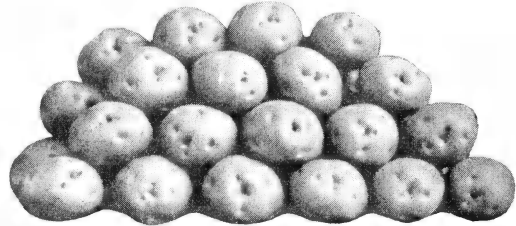
CULTURE—Plant in late April to early June in loose, loamy soil, dropping the nuts 12 to 15 inches apart in $2\frac{1}{2}$ to 3 foot rows and cover 1 to 2 inches deep. Cultivate thoroughly until the nuts begin to form. When harvesting, loosen the roots with a plow, pull the vines with the nuts attached, allow them to dry, stack around a stake, turning the nuts inward.

1177—PEANUTS (Spanish)—Bush type so they can be grown closer than most varieties; are more easily cultivated and gathered, as the nuts, which are clustered around the base of the plant, cling firmly to the roots. The vines furnish a superior hay and the nuts combined with corn make a perfect hog food. Early maturing; heavy bearer.

Price—1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.35; 15 lbs., \$1.75

1178—PEANUTS (Tenn. Long Red)—The finest large variety grown. The long, large pods usually contain from three to four nuts, which are very rich and highly flavored. The heaviest bearer of nuts and hay of any of the large types. Excellent for home use and brings a premium on the market.

Price—1 lb., 30c; 5 lbs., 80c; 10 lbs., \$1.40; 15 lbs., \$1.90



Red Triumph

BUCHANAN'S State Certified POTATOES

Certified potatoes must pass through field inspection by the Department of Agriculture and must be true to variety, type and free from apparent diseases. It pays to plant Certified Seed Potatoes. Treat your Potatoes with Semesan Bel—see page 68.

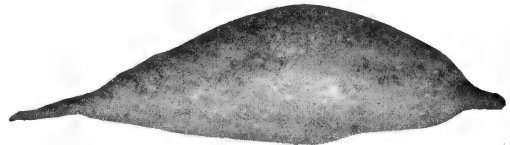
EARLY POTATOES

Warba White (72 days)—Results indicate this is the most outstanding potato developed since Red Triumph was introduced. Eating quality fully as good as Red Triumph. Tubers are large, oval and of uniform shape. In six counties of Tennessee in 1939 it produced a fifth more than any other early variety. It endures more cold so can be planted earlier than Red Triumph. Matures its crop in less time, keeps well and is equally as well adapted to fall planting as spring.

Red Bliss Triumph (75 days)—Pink skin, white flesh, nearly round, peels without waste. Very early and good yielder.

Irish Cobbler (85 days)—Round to oval in shape, slightly flattened at ends, flesh is pure white and cooks dry and mealy.

Chippewa (75 days)—A comparatively new potato, pure white, smooth, symmetrical, with very shallow eyes and stores well. Ideal for early market and home use.



Nancy Hall

STATE CERTIFIED SEED SWEET POTATOES

One bushel produces about 3,000 slips

Nancy Hall (90 days)—Color, yellow; early maturing; keeps extremely well. Most popular variety for local market and shipping.

Porto Rica (100 days)—Color, golden red; fine grained, sweet and of best flavor. Keeps well; the ideal potato for home use.

Sweet Potato Slips—See Page 5

See Prices on Potatoes on Yellow Price List Enclosed



BUCHANAN'S CANE SEED AND FORAGE CROPS

CULTURE—Plant cane seed on rich land during April, May and June in 3½-foot rows at the rate of 8 to 10 pounds per acre. Cultivate like corn, leaving plants about 3 to 4 inches apart in the row. Grain Sorghums usually produce 30 to 50 bushels of seed per acre, and Syrup varieties 125 to 200 gallons of syrup per acre. Cut for making syrup just as seeds ripen.

CANE SEED, SACCHARINE TYPES FOR FORAGE

1195—TEXAS SEEDED RIBBON—The tallest and heaviest producing silage and fodder cane frequently yielding 18 to 20 tons per acre. The unusually large, strong stalks are supported by a vigorous, deep root system that prevents blowing down.

Price—1 lb., 30c; 5 lbs., 85c; 10 lbs., \$1.45; 15 lbs., \$1.95

1198—EARLY AMBER—Furnishes a large yield of most nutritious forage which may be fed green or cured. If planted early it will yield 2 cuttings a season.

1197—EARLY ORANGE—Yields immense crops of leafy, sweet forage. Slightly later than amber but higher in food value.

1199—RED TOP—Very leafy, sweeter; has high feeding value and is very drouth resistant. Especially desirable to plant with corn which matures at the same time for silage.

Price, 3 above varieties—1 lb., 25c; 5 lbs., 55c; 10 lbs., 90c; 15 lbs., \$1.15.

CANE SEED, NON-SACCHARINE TYPES FOR FORAGE

1212—SAGRAIN (303-37)—We offer the most improved strain, selected for its uniformity, heavy grain production and strong, stocky stalks. It does well on heavy soil; thrives under the same adverse conditions as sorghum, and produces 8 to 12 tons per acre, one to two tons of which is grain, which has nine-tenths the feeding value of corn. Fine for forage and ensilage, as it is quite juicy and grows an abundance of broad, long leaves. Sagrain is relished by mules, cows, hogs and chickens.

Price—1 lb., 25c; 5 lbs., 60c; 10 lbs., 95c; 15 lbs., \$1.20

1217—GROHOMA—A very desirable fodder cane producing heavy crops of grain and an abundant supply of fodder that is very rich in protein. Stalks and fodder contain much more sugar than most grain sorghums and on account of this the stock eat every particle. Since it stools and branches freely it requires only 5 lbs. of seed to plant an acre. Very drouth resistant.

Price—1 lb., 25c; 5 lbs., 65c; 10 lbs., \$1.00; 15 lbs., \$1.25

1210—WHITE KAFFIR—This variety has become more valuable every year because of its drouth-resisting qualities. Grows 4 to 5 feet high, is very stocky and leafy; valuable for forage and grain. Plant from April to July, in rows 3 feet apart, drilling seed thinly. It adapts itself to a wide variety of soils. A long drouth may stop its growth but it starts again with the first rain, seldom failing to produce an abundant crop.

Price—1 lb., 25c; 5 lbs., 60c; 10 lbs., 95c; 15 lbs., \$1.20

1213—YELLOW MILO MAIZE—Drouth resistant, very productive and makes an enormous amount of nutritious grain

relished by all kinds of stock. Has immense, compact heads and the seeds are large. May be cut two or three times if desired for green forage. Early maturing and adapted to most soils.

Price—1 lb., 25c; 5 lbs., 60c; 10 lbs., 95c; 15 lbs., \$1.20.

1215—HEGARI—It makes an enormous yield of grain even with little moisture. Especially desirable for forage or silage since the stalks are sweet and juicy, leaves broad, long and numerous. It is dwarf, producing large heads that do not shatter. Plant 8 to 10 pounds per acre. Stands dry weather extremely well and is one of the best grain and forage crops.

Price—1 lb., 25c; 5 lbs., 60c; 10 lbs., 95c; 15 lbs., \$1.20.

1214—ATLAS SORGO—A large, drouth resistant, heavy yielding, semi-sweet forage sorghum. Since it produces an unbelievable amount of grain and a tremendous tonnage of leaves and stalk of above the average in food value, we recommend this cane without reservation for silage. It is earlier maturing than our best native silage canes and corn.

Price—1 lb., 25c; 5 lbs., 65c; 10 lbs., \$1.00; 15 lbs., \$1.25.

All Prices on This Page Post Paid Through Third Zone Only.



Buchanan's Honey Drip Syrup Cane

SPECIAL ATTENTION

NON-WARRANTY—Owing to the peculiar hybridization of all cane varieties, it is impossible to guarantee that they will come true.

All orders for cane varieties are therefore accepted only on these conditions.

1194—HONEY DRIP SYRUP CANE—Deservedly the most popular syrup cane in the South. Medium height, strong stalks which do not blow down easily. A heavy yielding type frequently producing 125 to 200 gallons per acre of medium amber colored syrup of mild, delicious flavor. Because of its true, pronounced molasses flavor, this syrup easily finds a ready market and since pure Honey Drip seed commands a premium, you will find this an excellent cash crop.

Price—1 lb., 25c; 5 lbs., 65c; 10 lbs., \$1.10; 15 lbs., \$1.40

BROOM CORN

Easily grown on any land adapted to corn. Plant 6 lbs. per acre, on a fine seed bed, 1½ inches deep in 3½-foot rows, when ground is warm. Thin out to 2 to 4 inches. Cultivate regularly.

1271—STANDARD EVERGREEN—Grows 8 to 10 feet tall. Yields a long, heavy brush, free from heavy center stems and crooked straws. Ready to cut in about 100 days.

Price—1 lb., 35c; 5 lbs., 95c; 10 lbs., \$1.70

1272—SCARBOROUGH (Dwarf Type)—It is earlier and has somewhat longer brush than Evergreen. Bears fewer seeds and easier thrashed than many other varieties.

Price—1 lb., 35c; 5 lbs., \$1.00 10 lbs., \$1.85

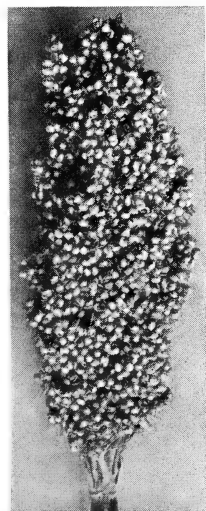
MILLET

1185—TENNESSEE GROWN GERMAN MILLET (Big Headed Type)—Broadcast 50 pounds to acre. German Millet makes a quickly grown, easily cured and large yielding, nutritious hay crop. It comes so quickly that it can be sown after wheat, oats or other early crops are harvested and leaves the land clean. Millet should be cut while in bloom. As a summer catch-crop, it has few equals, for it makes a crop in about sixty days.

Price—1 lb., 25c; 5 lbs., 65c; 10 lbs., \$1.00; 15 lbs., \$1.25

1188—PEARL OR CAT-TAIL MILLET—Will grow 10 to 12 feet high, but for the greatest amount of green feed it should be cut when 3 to 4 feet high. It will then stool out enormously. Gives three or four cuttings a season, and keeps on growing until frost. It is highly nutritious. Should not be planted until the ground is thoroughly warm and does well even on poor soil and in dry seasons. Plant 5 pounds to the acre, in drills 3 feet apart.

Price—1 lb., 30c; 5 lbs., 80c; 10 lbs., \$1.35; 15 lbs., \$1.75



Atlas Sorgo

Prices Not Prepaid—See Yellow List Enclosed

**Laredo Soy Beans**

SOY, OR SOJA BEANS

All Prices Below Post Paid Through Third Zone

CULTURE—Soy Beans may be planted either broadcast or in rows. Usually a better crop is had when planted in drills and cultivated, and few crops leave the land cleaner and in better condition for the following crop. They grow equally well on light and heavy soils, but on heavy soils they should not be planted more than 1 to 1½ inches deep except in dry seasons. On light sandy soils plant deeper, but not more than 3 inches deep. When sown broadcast sow 1 to 1½ bushels to the acre, in rows ¾ to ½ bushel per acre. Plant in April, May, June or July.

1225—LAREDO SOUTHERN (Hay, 110 days; Seed, 135 days)—Recognized as one of the best hay and soil building beans for the Central South. Seed small, bushel plants 4 to 6 acres in 2 foot rows; 1 acre broadcast. Cover about 1 inch. Since it will endure more cold, adverse weather than any other variety, it can be planted much earlier. Can be drilled in fall planted oats about April 1 with no injury to oats and by cutting oats high secure two crops on same land in one year. Growth is upright, branching freely; hay quality excellent.

Price—5 lbs., 70c; 10 lbs., \$1.20; 1 pk. (15 lbs.), \$1.60

1224—BILOXI (Hay, 135 days; Seed, 165 days)—An upright variety, growing 4 to 5 feet high, covered with a dense mass of foliage that does not shed easily. A heavy yielder of beans; feeding value excellent because high in protein; a fine bean for hogging down, for planting with corn or sorghum. The pods are less liable to pop than most varieties; in fact, they hardly shatter at all. They require a long season to mature, but make a tremendous yield of hay or beans.

Price—5 lbs., 70c; 10 lbs., \$1.20; 1 pk. (15 lbs.), \$1.60

1226—OTOOTAN (Hay, 140 days, Seed, 170 days)—Few Soy Beans can equal Oototan as a hay maker. Its late maturity is more than overcome by the abundant growth, its fine stems and abundant foliage, and the fine texture of its hay, which cures quickly. It differs from most varieties in having many leafy branches instead of a coarse central stem, making it easy to cut and easy to cure. Planted in 3-foot rows, they will cover the land with a mass of foliage.

Price—5 lbs., 75c; 10 lbs., \$1.25; 1 pk. (15 lbs.), \$1.75

1218—ARKSOY (Hay, 100 days; Seed, 120 days)—An excellent all purpose bean. Yields fairly heavy of good quality hay. Seems to mature more quickly when planted late than any other bean. Yield of beans is heavy and oil content is almost equal to Macoupin. Can be planted after oat harvest for hay or bean crop.

Price—5 lbs., 70c; 10 lbs., \$1.20; 1 pk. (15 lbs.), \$1.60

1219—RED TANNER (Hay, 115 days; Seed, 140 days)—A comparatively new bean, but it gives more promise as a hay bean than any introduced since the Southern Laredo. Produces as much or more hay than Laredo, of even superior quality. Stock seem to relish some soy bean hay more than others and they will leave hay of other beans to get the Red Tanner, cleaning up stems and all. Truly it seems good to the last drop. Don't fail to try some of this unusual bean.

Price—5 lbs., 75c; 10 lbs., \$1.25; 1 pk. (15 lbs.), \$1.75

1233—MACOUPIN (Hay, 80 days; Seed, 100 days)—No doubt the finest oil mill bean developed to date. Early maturing; harvest frequently starts last of August if planted early. Seed yield very heavy, 25 to 35 bushels per acre. Extremely non-shattering and ranks first in oil percentage. Will mature a full crop of beans when planted after early oats are harvested. Produces hay of fair quality.

Price—5 lbs., 70c; 10 lbs., \$1.20; 1 pk. (15 lbs.), \$1.60

1220—ARKSORY 2913 (Hay 100 days; Seed, 120 days)—An improved strain of the regular Arksoy Bean. On good land it yields consistently 30 to 40 bu. per acre. Will probably stand longer without shattering than any other bean. The most attractive characteristic of this bean is that all plants mature at the same time.

Price—5 lbs., 75c; 10 lbs., \$1.25; 1 pk. (15 lbs.), \$1.75

1230—VIRGINIA (Hay, 100 days; Seed, 125 days)—On account of its abundant growth and early maturity the Virginia makes a most excellent hay bean. The vines make a fine growth, are filled with pods, stand about 3 feet high, are easy to cut and easy to cure. The stems being fine and the leafage profuse, adapts it particularly well for hay making.

Price—5 lbs., 65c; 10 lbs., \$1.10; 1 pk. (15 lbs.), \$1.50

1232—TOKYO (Hay, 120 days; Seed, 145 days)—A heavy producer of extra large pods and beans. It is a superior oil bean and for hogging down. Holds its foliage and beans well; has a medium coarse stem, branching from the ground.

Price—5 lbs., 70c; 10 lbs., \$1.20; 1 pk. (15 lbs.), \$1.60

1223—MAMMOTH BROWN (Hay, 115 days; Seed, 140 days)—Makes a large upright growth, with plenty of foliage and an abundance of pods. Is a prolific yielder of beans, robust and is more disease-resistant than most varieties. Does not shatter badly. They are especially fine for late hog pasture.

Price—5 lbs., 70c; 10 lbs., \$1.20; 1 pk. (15 lbs.), \$1.60

1221—DELSTA (Hay, 120 days; Seed, 145 days)—A yellow bean, grows erect, rather tall and bushy, splendid for planting in corn. Very prolific, beans little larger than Mammoth Yellow, and seed remain in pods well into winter. Should replace Mammoth Yellow altogether.

Price—5 lbs., 70c; 10 lbs., \$1.20; 1 pk. (15 lbs.), \$1.60

1231—MAMLOXI (Hay, 120 days; Seed, 145 days)—Is upright in growth and produces excellent hay if planted thick. A very prolific yielder of beans which shatter little and the best late maturing oil bean. Probably the best all purpose soy bean.

Price—5 lbs., 70c; 10 lbs., \$1.20; 1 pk. (15 lbs.), \$1.60

1229—MUNG BEANS—Should be planted in May for hay or turning under. Mung Beans are great soil builders and produce a large quantity of excellent hay. They are very hardy and disease resistant. The seed are small and it takes 3 to 5 pounds to drill an acre in 3-foot rows. Broadcast, 25 to 35 pounds an acre. Beans mature in 90 to 100 days, depending on the season.

Price—5 lbs., 80c; 10 lbs., \$1.35; 1 pk. (15 lbs.), \$1.85

1228—90-DAY OR SPECKLED VELVET BEANS—It is very prolific and can be planted later than other sorts on account of its early maturity. Velvet Beans make a greater growth of vines and beans than any other known forage plant in the same length of time, therefore, one of the best soil building legumes. Excellent for grazing off green and cattle will fatten on them even after frost has killed vines.

Price—5 lbs., 60c; 10 lbs., \$1.00; 1 pk. (15 lbs.), \$1.40

INOCULATE ALL LEGUMES WITH

LEGUME-AID

WHEN ORDERING, ALWAYS STATE KIND OF SEED



MISCELLANEOUS FARM SEEDS

O A T S

CULTURE—For spring planting sow 1½ to 2½ bushels per acre on a well prepared seed bed as soon as possible after danger of hard freeze. In fall sow in early October, later in the lower South, 1½ to 2½ bushels per acre. Cover about 2 inches.

1275—FERGUSON 922 OATS—Planted in spring or fall. When planted in fall this oat heads the list in average yield per acre in a ten year test at the Rice Branch Experiment Station tests, Stuttgart, Ark. Also an excellent oat for early spring planting to cut when beginning to head for hay or harvesting when mature for grain. This is our reason for recommending the Ferguson Seed Oats to our farmer friends. Rust and smut resistant; furnishing much grazing when planted early in fall. Withstands cold and sudden changes unusually well, therefore well adapted for fall planting.

1278—FULGRAIN OATS—One of the best oats for spring planting. Also very desirable for fall planting, especially in lower South. Earlier, more disease resistant, larger, heavier grain, and yields more than any other early maturing oat when sown in the fall. Two weeks earlier than most other popular oats, maturing before hot weather and rust damage. Stools well; vigorous growth; superior for pasturing; large, well-balanced heads; heavy grains with a rich, reddish yellow color, thin hull, high percentage of meat and heavy test weight.

1280—RED RUST RESISTANT OATS—This variety is very hardy, producing a medium tall, stiff straw and a heavy yield of grain or hay. The stock which we offer is exceptionally heavy, bright, re-cleaned and graded.

1276—COLUMBIA SPRING OATS—A very desirable, extremely early spring oat, very similar but, in our opinion, superior to the long popular Early Burt variety. Even when planted a little late, will mature before hot weather. Produces large, heavy, well filled heads of plump grain on stiff, strong stems which do not blow down easily. Sown alone or with rape on rich land will furnish more pasture in less time than any other spring crop.

1277—NEW NORTEX OATS—An improved strain of the long popular Red Rust Resistant Oat, which has stood right at the top in yield of grain per acre, for a number of years in tests over the entire South. An excellent oat for either Spring or Fall planting, however, if sown in the Spring early planting is advisable. Very winter hardy and resistant to rust and smut. They stool heavily furnishing an excellent spring pasture over a longer period than some of the earlier maturing oats.

Prices, post paid, through 3rd zone only, on All Oats—Peck, 70c; ½ bu., \$1.00; 1 bu., \$1.65

BARLEY

1263—BEARDLESS BARLEY—It makes a quick growing, excellent fall and winter pasture, controlling erosion unusually well. Also a heavy yielding grain crop especially desirable for hogging off since it has no beards. Barley is almost exactly equal to corn in food value and will give practically the same yields of grain as corn on any medium to good soil. Sow 1½ to 2 bushels per acre.

1262—BEARDED BARLEY (Tennessee 52)—An unusually heavy stooling and high grain yielding variety of Barley which seems to have no equal for the Central South. More winter hardy than the Beardless varieties, therefore more desirable for grain production. This most desirable strain of Bearded Barley will be very profitable to any stock raisers. All Barley can be sown with Crimson Clover and both will make almost a normal yield of seed. Can be harvested at same time since they ripen together and the seed are easily separated.

VETCH AND AUSTRIAN WINTER PEAS

1176—SAND OR HAIRY VETCH—A very desirable winter legume used principally for soil building. Well adapted to all types of soil except extremely poor. Plant in cotton or corn middles, 20 pounds per acre, before November 1 either with a vetch planter or by sowing broadcast and covering with small harrow or middle buster. Can be turned under the next spring in time to plant cotton, corn, etc. Never winter kills when properly planted, and frequently doubles the yield of the succeeding crop if properly inoculated. A fair grazing and hay crop when planted with oats, beardless barley, etc.

1250—AUSTRIAN WINTER PEAS—Plant just as described for Hairy Vetch above, except use 30 to 35 pounds per acre. Like Vetch, it adds nitrogen equal to about 500 pounds Nitrate of Soda per acre when turned under at the proper time. Will grow on poorer soil than Vetch, but is not as winter hardy. Will be ready to turn under about two weeks earlier than Vetch. Makes a very nutritious hay when sown with oats.

R Y E

1264—BALBO RYE—Balbo Rye is characterized by a rapid, upright habit of growth. In this respect it is very much like Abruzzi. The upright habit, coupled with the rapidity of growth, makes Balbo of outstanding value for early pasturage. In a trial at the Middle Tennessee Station, at Columbia, on crops planted in the fall of 1932, Balbo furnished 40% more grazing by January 1 than did "native" or common rye. Balbo Rye has proved to be appreciably more winter hardy than Abruzzi.

1265—ABRUZZI RYE—If sown on good land in late August or early September it will be ready for grazing in about six weeks, and will furnish abundant grazing for several months if not grazed too close. Unless wanted for grazing, do not sow before late September, as it may go to seed during the fall; late October or early November is early enough to sow for a grain crop.

1267—COMMON RYE—It is cheaper in price and can be sown from August 15 to December 15 for grazing and erosion control. Can be sown with no preparation in corn and other row crops in late August for winter and spring grazing.

WHEAT

1259—COKER RED HART—A very early maturing wheat developed in the South for grazing and grain production. In many tests over the Central South this heavy stooling variety has consistently been the leading grain producer. Has long, heavy compact heads with plump grains, excellent for milling.

1257—NEW GASTA WHEAT—A very desirable smooth head wheat developed in the South and has proven to be well adapted to our climate and soil. Furnishes an abundance of winter grazing. Stools freely, does not grow so high, therefore very storm resistant. Heavy producer and disease resistant.

1268—MAMMOTH RUSSIAN SUNFLOWER

Every Southern farm should plant some of this large headed variety of Sunflower for their poultry. Will produce more grain on medium to thin land than corn. Sow 10 lbs. per acre in drills 3 feet apart and cultivate as you would corn. Post paid—Pkt., ¼ lb., 10c; 1 lb., 30c; 5 lbs., 75c; 10 lbs., \$1.25

**BUCK BRAND TESTED SEEDS****PEACH AND PLUM SPRAY SCHEDULE**

Time of Application	Disease or Insect	Material to Use for 50 Gallons
Dormant—After leaves are shed in the fall and before buds swell in the spring when temperature is above 40	Scales and leaf curl	No. 34 Copper 1½ pounds or Bordeaux 4-4-50 with Buchanan's Oil Emulsion 2½ gallons. Or use alone. Dry lime sulphur 12½ lbs. or liquid lime sulphur 4 gal.
Shuck stage—as dried floral parts are falling	Curculio Leaf Spot Brown rot	Sulfuron 3 pounds. Zinc sulfate 2 pounds. Cryolite 1½ pounds or Lead Arsenate 1 pound. Lime 3 pounds. Fluxit Ortho-Spreader or Soy Bean Flour ¼ pound.
First cover—about 10 days later	Curculio Scab Leaf spot	Same materials as previous spray.
Second cover—12 days later	Brown rot Scab Leaf spot	Same materials as previous spray, except poison may be omitted on fruit about ripe.
Third cover—12 days later	Curculio Brown rot	Same materials as previous spray, except poison may be omitted on fruit about ripe.
Later Sprays	Brown rot in rainy seasons	Sulfuron 3 pounds.

APPLE SPRAY SCHEDULE

Time of Application	Disease or Insect	Material to Use for 50 Gallons
Dormant—After leaves are shed in the fall and before buds swell in the spring when temperature is above 40	Scale	Buchanan's Oil Emulsion 2¼ gallons or Kleenup Ready-Mix 1¾ gallons.
Delayed-dormant—When young leaves are not more than ¼ inch long	Scale Scab Aphids	Lime-sulfur (32°) 7 gallons. Nicotine sulfate ½ pint (only when aphids are present).
Prepink—Before bud clusters separate	Scab Aphids	Lime-sulfur (32°) 1¼ gallon. Nicotine sulfate ½ pint (only when aphids are present).
Pink-bud—When bud clusters are separate and showing pink	Scab Aphids	Lime-sulfur (32°) 1¼ gallon, same as prepink. Nicotine sulfate ½ pint (only when aphids are present).
Full-bloom—When two-thirds of blooms are open	Blossom blight Scab	No. 34 Copper ¾ pound, or Bordeaux 1-3-50.
Calyx or Petal Fall—When most of blossoms have fallen	Codling moth Scab	Lime-sulfur (32°) 1 gallon. Hydrated lime 5 pounds, or 3 to 4 pounds Sulfuron. Use ¼ pound Fluxit Ortho Spreader or Soy Bean Flour with either of the above. Lead Arsenate 1½ pounds.
First cover—7-10 days after the calyx spray	Blotch Scab Codling moth	No. 34 Copper 1½ pounds, or Bordeaux 2-4-50. Spreader as previous spray. Lead Arsenate 1½ pounds. Add Lime 2½ pounds when using No. 34 Copper.
Second cover—10 days later	Blotch Scab Codling moth Leafhoppers	No. 34 Copper 1½ pounds, or Bordeaux 2-4-50. Half gallon Orthol-K Summer Oil. Spreader as previous spray. Add Lime as previous spray. Lead Arsenate 1½ pounds. Nicotine sulfate (only if leafhoppers are numerous).
Third cover	Blotch Sooty mold Bitter rot	No. 34 Copper 1½ pounds, or Bordeaux 2-6-50. Half gallon Orthol-K Summer Oil. Spreader as previous spray. Lead Arsenate 1½ pounds. Add Lime as previous spray.
Fourth cover	Bitter rot, Blotch Codling moth	Same as third cover.
Later Sprays	Bitter rot Blotch	No. 34 Copper 2 pounds, or Bordeaux 4-6-50. Use arsenate of lead if worms are present, omitting summer oil.

GRAPE SPRAY SCHEDULE

Time of Application	Disease or Insect	Material to Use for 50 Gallons
Pre-bloom—when shoots are 4-6 inches long	Mildew Black rot	No. 34 Copper 1½ pounds, or Bordeaux 4-6-50.
Immediately after grapes set	Mildew Black rot	No. 34 Copper 1½ pounds, or Bordeaux 4-6-50. Fluxit Ortho Spreader or Soy Bean Flour ¼ pound.
Two weeks later	Mildew Black rot	No. 34 Copper 2 pounds, or Bordeaux 4-6-50. Lime 2½ pounds. Lead Arsenate 1½ pounds. Spreader as above ¼ pound.
When nearly grown	Mildew Black rot	No. 34 Copper 2 pounds, or Bordeaux 4-6-50. Fluxit Ortho Spreader or Soy Bean Flour ¼ pound.

FRUIT GROWERS' SUPPLIES



EVERMARK—For writing on all plant labels. Will not rub off, will not wash off. Don't take chances—use **EVERMARK** exclusively. Made especially for growers. Price, post paid—Each, 15c; 2 for 25c.

WHITE WOOD LABELS



These labels made of White Wood, need no paint and will last for many months—used by professional market gardeners, orchardists, nurserymen for labeling trees, plants, shrubs, and flowering plants.

Dahlia or Tree Labels with copper wire, 3½-inch. Post paid, 50, 30c; 100, 50c; 500, 1.35; 1,000, \$2.50. At Store, 50, 25c; 100, 40c; 500, 1.20; 1,000, \$2.25.

Pot Labels, 5-in., post paid, 50, 35c; 100, 55c; 500, \$1.50. At Store, 50, 25c; 100, 40c; 500, 1.25; 1,000, \$2.30.

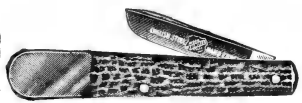
Pot Labels, 8-in., post paid, 50, 40c; 100, 75c; 500, \$2.00. At Store, 50, 30c; 100, 50c; 500, 1.75; 1,000, \$3.00.



JUTE TWINE—2-PLY

For bunching vegetables, tying plants to stakes and trellises, etc.

	Post Paid	At Store
½-lb. balls	Each \$0.20	\$0.15
8-½-lb. balls	1.25	1.00
25-lb. coils	Each 7.25	6.75
50-lb. coils	Each	13.50



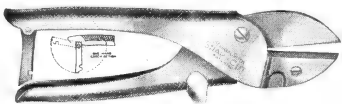
Budding Knife

BUDDING KNIFE—Good quality. Each, post paid, \$1.25. At Store, \$1.10.

GRAFTING KNIFE—Same quality as above. Each, post paid, \$1.25. At Store, \$1.10.



No. 230—California pattern, flat spring, ratchet nut, 9 in. Post paid, \$1.45. At Store, \$1.35.

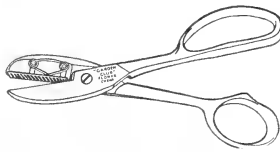


Snap-Cut Pruner

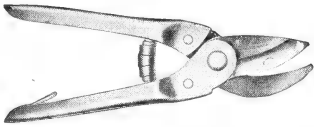
119—SNAP-CUT PRUNER—The snap-cut design makes an extremely easy and fine cutting tool. It is proclaimed by fruit growers, gardeners, etc., as the finest shear ever produced. Each, post paid, \$2.10. At Store, \$2.00.

No. 9—**JUNIOR SNAP CUT**—An ideal shear for home gardening. Post paid, \$1.10. At Store, \$1.00.

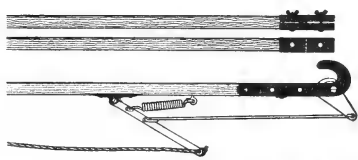
118—LADIES' SNAP CUT—Post paid, \$1.35. At Store, \$1.25.



No. 750—**FLOWER SHEAR**—Cuts and holds flowers. A perfect one-hand flower picker. Post paid, 70c. At Store, 60c.

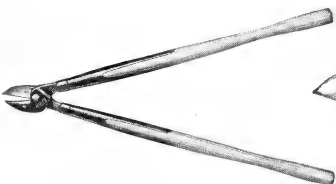


No. 22—A low priced but efficient pruner, 8 inches. Post paid, 70c. At Store, 60c.



No. 1312S

No. 1312S—For general home or orchard, use the Tip-Top Tree Trimmer; is an easy cutting, easy to operate tool whose 12-foot handle is furnished in three sections. The 12-inch saw blade is a valuable addition, as it makes the tool a pole saw as well as a trimmer. Post paid, \$4.25. At Store, \$4.00.



No. 149HH—A long-handled pruner using the famous Snap Cut Action. Ash handles pinned to the shank. This shear will cut large limbs with unbelievable ease. 27 inches. Post paid, \$3.75. At Store, \$3.50.



No. 11—18-in. Tapered Pruner. Preferred by many orchardists and fruit growers; has the advantage of a thin, narrow blade that cuts very clean, fast and easy, and one that is easily replaced when dull. Strong, rust-resistant, steel frame; blade adjustable to 4 positions for taking out limbs in close quarters. Post paid, \$2.50. At Store, \$2.35.



No. 172—A very serviceable and strong pruner with ratchet adjusting nut; 9 in. Post paid, \$1.50. At Store, \$1.40.



No. 130—California pattern, volute spring, ratchet nut, 9 in. Post paid, \$1.10, at Store, \$1.00.



No. 20—California Pruning Saw, made of genuine silver steel. Has a very narrow blade with rip teeth. Blade tapers from ¼ inch wide at point. Length 12 inches. Post paid, \$1.50. At Store, \$1.35.

No. 20—Same as above except 14-in. length. Post paid, \$1.55. At Store, \$1.40.

No. 113—California pattern, crescent shaped, special steel blade, hardwood handle riveted to steel blade, 12 in. A stronger, wider, less flexible blade than No. 20. Post paid, \$1.50. At Store, \$1.35.



No. 055—Lopping Shears

No. 055—Light weight but strong enough for heavy work; blade and hook are of hardened and tempered steel, 28 inches. Post paid, \$2.95. At Store, \$2.75.

No. 056—Same as above, except 36 inches long. Post paid, \$3.50. At Store, \$3.25.

**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS****No. 452—HUDSON MISTY.**

A universal favorite for use around the house, yard, garden, barn and chicken house. Now in its new size, with full quart container and more efficient Nu-Action pump, it produces a large volume of finely divided spray per stroke.

No. 452—Heavy tin, post paid, 60c; at Store, 45c.



Pump—1½-in. diameter, 10-in. stroke. **Powder Reservoir**—¾-in. diameter, 4 in. long. Large filler cap permits easy filling, emptying or cleaning.

No. 664—Adjutant Duster, post paid, 65c; at Store, 50c.

No. 435—CARDINAL CONTINUOUS

Sprays efficiently fly oils in the dairy barn, milk house, creamery, etc. Handles most oil base solutions and insecticides, breaking them up into a fine vapor. Adjustable nozzle takes care of solutions of varying consistency and delivers any type spray from finest fog to solid stream. Holds 3 quarts.

No. 435—Post paid, \$1.50; at Store, \$1.30.

**No. 120G THRIFTY**

Tank—Nu-Eez fill funnel top, 6½ inches diameter, 18 in. high; capacity 2¼ gallons. Made of gal-

vanized sheet. **Pump**—1¼ inches diameter, 14 inches long; seamless brass tubing. Recessed bronze ball valve seats perfectly. **Discharge Hose**—24 inches of special high pressure spray hose. Attaches directly to the supply tube which extends to the bottom of the tank and allows all the liquid to be discharged. Shipping weight, 8 pounds.

No. 120G—Thrifty, galvanized tank, post paid, \$3.70; at Store, \$3.50.

**No. 240G JUNIOR**

Tank—6½ inches diameter, 18 inches long; capacity about 2½ gallons. Has all brass perfection shut-off. Can be locked open for continuous discharge. **Discharge hose**—Attaches to the supply tube which extends to the bottom of the tank and allows all the liquid to be discharged.

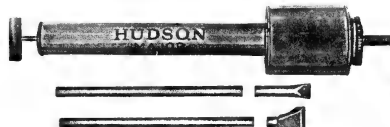
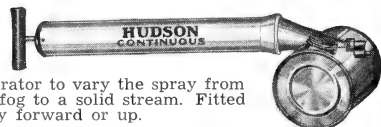
No. 240G—Galvanized tank, post paid, \$5.45; at Store, \$5.25.

No. 240B—Copper tank, post paid, \$9.25; at Store, \$9.00

No. 432 — CONTINUOUS.

Handles fly oils, liquid insecticides, disinfectants, in fact all solutions without sediment. The adjustable nozzle permits the operator to vary the spray from a generous volume of fine fog to a solid stream. Fitted with double nozzle to spray forward or up.

No. 432—Heavy tin, post paid, 95c; at Store, 80c.



No. 665—MAJOR DUSTER—Powder reservoir, 4 by 4½ inches. Filler cap, 2¾ in. diameter. Handles any dry powder perfectly.

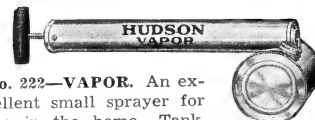
Post paid, \$1.05; at Store, 90c.

No. 612—PATROL—An effective pattern for truck gardens, field crops, etc. The two 12-inch extensions and reversible angle

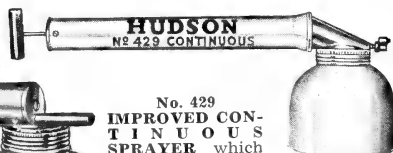


nozzle permit the operator to reach all parts of the plant easily. **Pump**—1¼x14 inches. **Powder Reservoir**—Glass, specially designed. Contents always visible. Wide mouth, permits easy filling.

No. 612—Patrol, with Jar, post paid, \$1.20; at Store, \$1.00.



No. 222—VAPOR. An excellent small sprayer for use in the home. Tank, capacity about ¾ pint. Price—Post paid, 30c; at Store, 20c.

**No. 429 IMPROVED CONTINUOUS SPRAYER**

which has unique engineering principles making it a most efficient sprayer for use with all insecticides, disinfectants and deodorants which are free from sediment. Nozzle can be adjusted to spray straight ahead, straight up, solid stream or fine mist. The heavy tank holds more than 1 quart and has 2¼-inch opening.

No. 429B—Copper, post paid, \$2.15; at Store, \$2.00.

**No. 235G—CLIMAX X**

—Open top tank, 7¼ x 20 inches, capacity 3½ gallons. Embodies in its construction strength, safety, ease of operation and complete accessibility. **Discharge Equipment**—24 in. of ¾-in. special high pressure spray hose. Attaches directly to the supply tube which extends to the bottom of tank and allows all the liquid to be discharged. Perfection automatic shut-off valve, all brass.

No. 235G—Climax, galvanized tank, post paid, \$5.75; at Store, \$5.50.



Tank—7½ inches diameter, 21 inches high; capacity, 4 gallons. Seams are riveted and soldered. **Hose**—attaches direct to the discharge tube which extends to the bottom of the tank. The completely open top affords ease in filling, cleaning and emptying—quick access to all parts of sprayer. Has all brass perfection shut-off. Can be locked open for continuous discharge. Has all brass nozzle adjustable for spraying at any angle.

No. 210G—Galvanized tank—Post paid, \$7.50; at Store, \$7.25. No. 210B—Copper tank—Post paid \$12.00; at Store, \$11.75.



R.B. BUCHANAN SEED CO. MEMPHIS, TENNESSEE.

BUCK BRAND TESTED SEEDS



HUDSON DU-MORE is a continuous pressure sprayer adapted for all truck and field crops, vineyards, bushes, shrubs, etc. Tank holds 4 gallons. Made of heavy galvanized steel, sturdily built. Equipped with wide shoulder straps. Operates with remarkable ease. Is equipped with 3 feet of spray hose, 2-foot brass extension rod, shut-off and brass Fog Nozzle.

No. 247G—Galvanized Du-More, post paid, \$18.90; at Store, \$18.50.

No. 247B—Copper Du-More, post paid, \$25.15; at Store, \$24.75.

No. 133—**TROMBONE**—High pressure spray pump for handling all solutions. Continuous in operation, maintaining a steady discharge without undue exertion on the part of the operator. All parts are brass with bronze ball valve, easily accessible.

No. 133—Trombone, post paid, \$5.15; at Store, \$5.00.



No. 128—**MOHAWK BUCKET SPRAYERS**—All working parts are brass. Foot rest is adjustable for various heights. Comes equipped with 3 feet of hose, 12-inch brass extension and brass nozzle with variable discs.

No. 128—Mohawk, post paid, \$5.45; at Store, \$5.25.



See prices right hand column

HUDSON BARREL PUMP—Is powerful, light and durable and will maintain a continuous working pressure of 200 pounds or more. Ideal for small orchards.

No. 4—Pump, no discharge equipment. At Store, \$11.00.

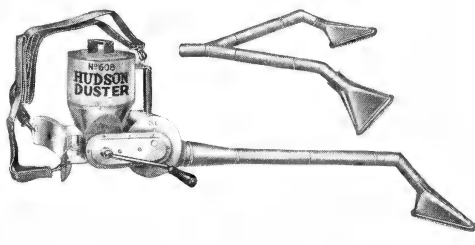
No. 4A—Pump with 6 feet $\frac{3}{8}$ -inch spray hose and 4-foot extension rod, total 10 feet, and angle Ideal nozzle. At Store, \$13.25.



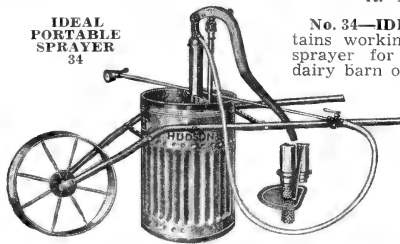
Hudson 4A Barrel Pump

No. 608—**HUDSON DUSTER**—Develops an unusually powerful air blast. It delivers more than enough air at the nozzle to prevent clogging and to break the powder into a fine floating dust. It has two agitators, one oscillating, one rotary. Will handle any powder, light or heavy. Gear case is oil and dust proof.

Price—Post paid, \$14.15; at Store, \$13.75.

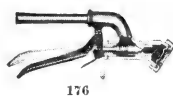


IDEAL PORTABLE SPRAYER 34



No. 34—**IDEAL PORTABLE SPRAYER**—Maintains working pressure of 200 pounds. Handy sprayer for orchard, vineyard, truck garden, dairy barn or poultry house. It has a non-clogging, tubular, brass screen which is cleaned by special dasher agitator, and handles white wash and cold water paints. Has 4A barrel pump securely mounted in an 18 gallon heavy galvanized corrugated tank. Has 6 feet $\frac{3}{8}$ -inch spray hose, 4-foot extension rod and automatic shut-off. Price—At Store, \$22.25.

No. 36—**SUNSHINE**—Fits the needs of the florist or nursery man, because its width permits its use between the narrow rows; also adapted for orchards, vineyards and truck gardens, for whitewashing poultry houses and dairy barns. Valves are bronze balls mounted in a brass cage. Cylinder is seamless brass. Air chamber has ample capacity for high pressure and steady discharge. Tank is heavy gauge copper bearing galvanized steel; capacity 12½ gallons. Discharge equipment consists of 6 feet of $\frac{3}{8}$ -inch spray hose, 3-foot brass rod extension, angle spray nozzle and perfection automatic shut off which can be locked open for continuous spraying. Fitted with non-clogging tubular brass screen and special dasher agitator which cleans it thoroughly at each stroke of the pump plunger. Price—At Store, \$15.00

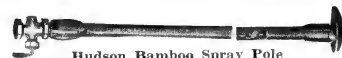


HUDSON SPRAY PARTS		Each Post Paid
No. 168 Angle Spray Nozzles.....	\$0.50	
No. 166 Spray Nozzles.....	.50	
No. 149 Brass Shut-off Cock.....	1.20	
No. 176 Perfection Shut-off and Nozzle.....	1.60	
No. 161 Perfection Shut-off, No Nozzle.....	1.10	

EXTENSION RODS		Each Post Paid
2-ft. Brass Rods.....	\$0.60; mailed, \$0.70	
3-ft. Brass Rods.....	.80; mailed, .90	
4-ft. Brass Rods.....	1.00; mailed, 1.10	

SPRAY REPAIRS		Post Paid
Pump plunger leather, barrel pumps.....	.25c	
Pump plunger leather, bucket pumps.....	.10c	
Pump plunger leather, for comp. air.....	.10c	
Rubber gaskets for comp. air.....	.10c	
Check valves for comp. air.....	.40c	
Whirl Discs, Brass Screens and Outside Discs for Spray Nozzles.....	.10c	

To avoid errors it is best to send worn out parts.



HUDSON BAMBOO SPRAY POLES are brass lined. This lining is in one piece, locked to the poles at both ends. Will not turn inside the bamboo because of the special end castings.

No. 42—Spray Pole, 8-foot, with stop cock. Price, each, at Store, \$3.95.

HUDSON SPRAY HOSE—Built to handle a working pressure of 250 pounds. Has a very tough and durable outside and the inner liner is specially compounded to withstand the action of spray materials. Furnished in both $\frac{3}{8}$ -inch and $\frac{1}{2}$ -inch sizes, any length up to 50 feet.

Price— $\frac{3}{8}$ -inch, post paid, 1 to 10 ft., 16c per ft.; 10 ft. or more, 15c per ft. At Store—14c, $\frac{1}{2}$ -inch, post paid, 1 to 10 ft., 18c per ft.; 10 ft. or more, 17c per ft. At Store—16c.



BUCHANAN'S INSECTICIDES

Insecticides are for controlling insects and diseases of fruits and vegetables and should be handled with care. When not in use put out of the reach of children and pets.

Post Paid Prices on This Page Through Third Zone Only.



An Emulsion can be made of any oil from coal oil up to the extremely heavy oils, but Oil Emulsion of the light and low grade oils will not control scale and will frequently injure fruit trees. Buchanan's Oil Emulsion is made exactly according to U. S. D. A. Formula, using heavy oil.

BUCHANAN'S OIL EMULSION—For a dormant spray, Buchanan's Oil Emulsion provides the cheapest, most effective and complete control of scale insects, aphids and thrips that winter over on trees. For scale control on all fruit trees, use at the rate of 1 gallon Oil Emulsion to 24 gallons water, slightly more if scale infestation is heavy. If your water is extremely hard, 4 pounds Bordeaux added to each 50 gallons of water, before adding the oil, will prevent oil from curdling. To get best results, every part of the tree must be completely covered. Spray in fall, after leaves and fruit are off, or in spring before buds swell. To control peach leaf curl and scale, combine Buchanan's Oil Emulsion with prepared Bordeaux Mixture or home-made Bordeaux, directions under Bluestone below.

Price—1 qt., 35c; ½ gal., 50c; 1 gal., 65c; 5 gals., \$2.25; 10 gals., \$4.00; 15 gals., \$5.25; 30 gals., \$7.80; 50-gal. bbl., \$11.50. Post paid—1 qt., 50c; ½ gal., 65c; 1 gal., 85c.

LIME SULPHUR SOLUTION—Is an insecticide as well as a fungicide, free from sediment and works through the nozzle easily. Used as an insecticide to control San Jose scale, blister mite and similar sucking or scale insects, at a dilution of 1 gallon to 8 gallons of water and applied either after the leaves drop in the fall or before the buds open in the spring. For spot quack diseases, use 1 pint Lime Sulphur Solution to 1 gallon of water. Near water directions when trees are in foliage. The spring application, just before the buds swell, will assist in controlling leaf blister mite, plant lice and peach leaf curl, and is advisable in orchards when the scale is already under control. For early spring and summer spraying. To control scab, leaf spot and similar fungus diseases on apples and pears, 1 gallon to 50 gallons water.

Price—1 qt., 30c; ½ gal., 45c; 1 gal., 60c; 5 gals., \$2.15; 10 gals., \$4.00; 15 gals., \$5.10; 30 gals., \$6.60; 55-gal. bbl., \$9.35. Post paid—1 qt., 45c; ½ gal., 60c; 1 gal., 80c.

BLUESTONE-COPPER SULPHATE—(Formula for Making Home Made Bordeaux.) In case you wish to use Bluestone and Lime to make your Bordeaux, proceed as follows: Dissolve our Snowform (Powdered) Bluestone at the rate of 4 pounds to 50 gallons of water. It will require only a few minutes stirring to dissolve Snowform Powdered Bluestone. Then while stirring add 6 pounds hydrated lime to the above mixture. If the above directions are correctly followed you will have 50 gallons of standard strength 4-4-50 Bordeaux. In case you need a 3-4-50 strength, use only 3 pounds of the Snowform Bluestone, and if you wish a 5-4-50 strength, use 5 pounds of the Snowform Bluestone, but do not change the other ingredients. By combining the Bluestone and the Lime at different proportions, one can make any strength Bordeaux Mixture desired. Bluestone is also used in spraying potato storage houses—use 1 pound to 5 gallons water.

SNOWFORM (Powdered)—Post paid—1 lb., 25c; 5 lbs., 70c; 10 lbs., \$1.15; 25 lbs., \$2.60; 50 lbs., \$4.75. At Store—1 lb., 15c; 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.25; 50 lbs., \$4.25; 100 lbs., \$8.25.

SCALECIDE controls scale aphids, red mite and many other pests of apples, peaches, pears, etc. Scalecide kills many overwintering codling moth larvae, and aids in cleaning up cankers. The year after year use of Scalecide invigorates the trees. The most complete dormant spray for fruit trees, shrubs and vines. Full directions on each container.

Price—Post paid—1 qt., 90c; 1 gal., \$2.00. At Store, 1 qt., 75c; 1 gal., \$1.75; 5 gals., \$6.35; 10 gals., \$10.90; 15-gal. drum, \$14.95; 30 gals., \$23.75; 50 gals., \$32.90.

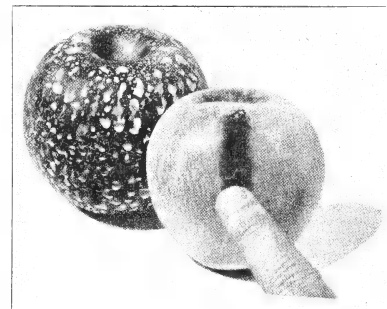
ORTHO DRY SPREADER (A Spray Depositor)—During the past several years there has been developed a new type of spreader and spray depositor known as a non-casein, colloidal spreader. By using small amount of this spreader, an even, heavy protective covering is obtained with such materials as Lead Arsenate and other arsenicals, with Bordeaux Mixture, Sulphur Mixture, and Lime-Sulphur.

This new type spreader and spray depositor has entirely replaced casein spreaders in the Northwest for the past several years, and has decidedly "made good" in Eastern fruit districts. Use at the rate of ¼ pound to 50 gallons of water.

Post paid—1 lb., 40c; 5 lbs., \$1.45; 10 lbs., \$2.55; 25 lbs., \$5.85. Not prepaid—1 lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.25; 25 lbs., \$5.25.

SOY BEAN FLOUR SPREADER—A most excellent spreader and sticker produced by the farmer. Compatible with all summer sprays. Being a vegetable product it does not change the spray material chemically in the least. The most economical spreader and sticker developed to date and has no superior. Orchardists have not used a spreader consistently in the past, but now there is no reason to leave out this valuable asset to the spray program. It prevents excessive run off of the material you want to remain on the fruit and leaves, giving a uniform, even, heavy film of the fungicides and insecticides at almost no cost. Use ¼ pound per 50 gallons of spray.

Price—Post paid—1 lb., 30c; 5 lbs., 80c; 10 lbs., \$1.20; 25 lbs., \$2.75. At Store—1 lb., 20c; 5 lbs., 65c; 10 lbs., \$1.00; 25 lbs., \$2.25; 50 lbs., \$4.25.



LEFT
Apple sprayed with Lead Arsenate, no Spreader. Note blotchy, uneven distribution of the Lead. This means poor control.

RIGHT
Apple sprayed with Lead Arsenate-Spreader combination. Note even Lead coverage. Better protection from worm attack.

DRITOMIC SULPHUR—(Peach Dritomic or Apple Dritomic)—It is a spring and summer spray, safe to apply to fruit and foliage where older type materials would develop caustic tendencies. The universality of its use, right through the growing season, is ample evidence. Its fineness enables it to go into suspension easily, and without sediment. You have no annoying loss of time to clean clogged spray nozzles. Dritomic Sulphur is an excellent preventive for all fungous troubles, bitter, brown rot, scab, etc. We can furnish Peach Dritomic or Apple Dritomic. When ordering specify the one desired.

Apple Dritomic—Post paid—4 lbs., 75c; 12 lbs., \$1.80; 24 lbs., \$3.10. At Store—4 lbs., 60c; 12 lbs., \$1.50; 24 lbs., \$2.65.
Peach Dritomic—Post paid—5 lbs., 75c; 15 lbs., \$1.85; 25 lbs., \$2.75. At Store—5 lbs., 60c; 15 lbs., \$1.50; 25 lbs., \$2.25.



R.B. BUCHANAN SEED CO. MEMPHIS, TENNESSEE.



BUCK BRAND TESTED SEEDS

BUCHANAN'S DEPENDABLE INSECTICIDES

Most insecticides are poison, for the control of insects. Handle with care.

Post Paid Prices on This Page Through Third Zone Only

ZINC SULPHATE—Peach Bacterial Spot has become destructive in practically all sections of the South. Zinc Sulphate is the best control for this disease. Use it in each of the

summer sprays on peaches, beginning with the petal fall spray. Combine our Zinc Sulphate with whatever summer spray you are using on your peaches, at the rate of 2 pounds to each 50 gallons. If you are using as much as 4 pounds lime to 50 gallons water in your regular material, additional lime is not necessary; otherwise add 2 pounds lime to each 50 gallons. **Price, post paid—1 lb., 25c; 5 lbs., 70c; 10 lbs., \$1.10; 25 lbs., \$2.25; 50 lbs., \$3.25. Not prepaid—1 lb., 15c; 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.75; 50 lbs., \$3.00.**



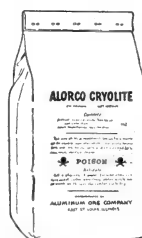
ORTHOL-K (Summer Oil)—Codling moths are present in most apple orchards in such large numbers that lead arsenate alone will not control them. A summer oil which kills the egg is a necessity. Orthol-K is a high quality summer oil for use on fruit trees and hardy deciduous shade trees and shrubs. It combines readily with Lead Arsenate, Dutox, Bordeaux Mixture, and 34 Copper. Used to control codling moth, red spider, mites, leaf hopper, pear psylla, etc. Cannot be used with Sulphur or Lime-Sulphur, or for ten days or two weeks after Sulphur or Lime-Sulphur applications. Write for booklet.

Price—Post paid, gal., \$1.25. At Store gal., \$1.10; 5 gals., \$4.25; 10 gals., \$8.25; 15 gals., \$12.00; 30 gals., \$21.00; 54 gals., \$33.20.



KLEENUP READY-MIX (Dormant Oil Spray)—An emulsifiable oil forming an emulsion when agitated in water. Inert ingredients are held to a minimum (approximately 1½%), making the active ingredients exceptionally high, 98½%. **Kleenup Ready-Mix** has many advantages over ordinary oil sprays in that it will not freeze in storage—no danger of broken emulsions; high active content requires less material per hundred gallons of spray; mixes readily with hard or soft waters by agitation; compatible with copper fungicides. Use, for dormant spraying only, 3 to 3½ gallons Kleenup with 97 or 96½ gallons water.

Price—Post paid, gal., \$1.10. At Store, gal., 85c; 5 gals., \$3.00; 10 gals., \$5.20; 15 gals., \$7.20; 30 gals., \$11.70; 54 gals., \$18.90.



ALORCO CRYOLITE—Results from its application on PEACHES, tobacco, beans, melons, cucumbers, cabbage and potatoes, show it to be safe, economical and superior to most insecticides for control of beetles and worms which attack these plants.

We recommend Alorco Cryolite above any other material for control of Mexican Bean Beetle, either as a spray or dust.

For dusting Cryolite may be used alone or it may be mixed with three to five parts of flour, sulphur, talc or road dust and applied with any suitable dusting apparatus.

For spraying, 1½ pounds of Cryolite are mixed with fifty gallons of water. Sulphur may be added to the spray mixture if a

fungicide is needed.

Cryolite should not be mixed with lime.

NO INJURY TO FOLIAGE—Severe tests with Alorco Cryolite show that it does not injure delicate foliage. **Packed in 6 lb. packages. Price—Post paid, 6 lbs., \$1.25; 24 lbs., \$4.25. At Store, 6 lbs., \$1.00; 24 lbs., \$3.75; 48 lbs., \$7.20.**

CARBON DISULPHIDE Not Mailable

Used for controlling weevil in peas, beans, grains, etc. **Method of Treating**—Put seeds to be treated in an air-tight container, as a water barrel, strong goods box or metal container. For treating small lots, 2 ozs. of Carbon Disulphide per bushel is sufficient. Full directions on package. **Caution** Keep open fire, such as lanterns, matches, etc., away from Carbon Disulphide. **Price—1 lb., 45c; 5 lbs., \$1.65; 10 lbs., \$2.85.**

MOLOGEN—Non-poisonous to humans or pets. Does not injure soil or grass. With a teaspoon or small trowel, carefully make a small opening in the side of ridge, keeping it free of earth. Now put in the mole's underground passage or runway a teaspoonful of **Mologen**. Carefully cover the opening with the original sod or earth. This should be repeated several feet apart.

Prices—Post paid, ½ lb., 60c; 1½ lbs., \$1.40; 5 lbs., \$4.15. At Store, ½ lb., 50c; 1½ lbs., \$1.25; 5 lbs., \$4.00.

ATLACIDE—Chlorate Weed Killer represents the most effective method for killing weeds, Johnson grass, poison ivy and all undesirable vegetation when properly applied. It is non-poisonous to human, animal or bird life. It has no odor and is harmless to the hands. It is ideal for killing weeds in driveways, paths, brick walks, cobble gutters, tennis courts, playgrounds, athletic fields and along fence lines. If you want to rid your farm of patches of Johnson grass, we urge you to use Atlacide Chlorate Weed Killer. Circulars mailed on request.

Price—Post paid, 5 lbs., \$1.70; 15 lbs., \$3.15. At Store, 5 lbs., \$1.50; 15 lbs., \$2.75; 50 lbs., \$5.50.



ACME KOPPER SHIELD PRUNING PAINT—A specially prepared liquid paint containing 2% copper for treating wounds left by pruning, storms, or accident, to prevent such diseases as European Canker Fungus, Hard Rot, and certain other fungi. Copper has no equal as a fungus preventative. Forms a protective shield while the tree is naturally overcoming the shock. Covers twice as much surface as the ordinary pruning compound.

Post paid—½ pt., 40c; pt., 55c; qt., 90c; gal., \$2.65. At Store—½ pt., 30c; pt., 45c; qt., 75c; gal., \$2.35.



GARDEN GUARD (Rotenone Dust)—Not poisonous; highly effective against both chewing and sucking insects but leaves no poisonous residue. Women especially, prefer using this dust on their flowers. Dust plants thoroughly, covering both upper and lower sides of foliage, hitting all insects to be controlled. Especially recommended for use on beans, peas, cabbage, cauliflower, greens, etc. Apply about 20 lbs. per acre.

Price—Post paid, 1 lb., 45c; 4 lbs., 85c; 24 lbs., \$4.00. At Store, 1 lb., 35c; 4 lbs., 65c; 24 lbs., \$3.60.



CORROSIVE SUBLIMATE

Used for treating sweet potatoes before bedding to prevent black rot. One ounce will make 8 to 10 gallons of solution.

Post paid—¼ lb., \$1.15; 1 lb., \$3.85; 5 lbs., \$17.75. At Store—¼ lb., \$1.10; 1 lb., \$3.75; 5 lbs., \$17.50.

Buchanan's Gnat Oil

It is harmless to stock when sprayed or brushed on. The deadly Buffalo Gnat comes every year, killing many mules and horses, and under light infestations they cause sickness and prevent maximum work. Flies on work stock interfere with normal rest, spread diseases and prevent normal performance. On dairy cows milk production is very much decreased by flies and much inconvenience is caused at milking time.

Buchanan's Gnat and Fly Repellent is ready to use and we believe if sprayed on freely it will repel gnats and flies longer than any other spray.

Do not spray directly over milk vessels. Have some of this inexpensive repellent ready before these pests arrive.

Post paid—Gal., 85c. At Store, gal., 60c; 5 gals., \$1.75; 10 gals., \$3.25; 25 gals., \$7.50; 50 gals., \$14.00.

FOR QUANTITY PRICES—NOT PREPAID—See Yellow Sheet in Center of Catalogue



Post Paid Prices on This Page Through Third Zone Only—See Quantity Prices on Yellow Sheet



BORDEAUX MIXTURE, DRY

—A spray for fungous diseases of fruit trees, shrubs, and flowers, especially black spot on roses. Fungous troubles must be prevented by spraying at regular intervals. Frequently apples and pears bloom beautifully and do not set any fruit due to blight.

To prevent fire blight or blossom blight of apples or pears spray with a 1-3-50 strength Bordeaux when about one-third the blossoms are open and again when approximately all the blossoms are open.

Price—post paid—1 lb., 40c; 4 lbs., 95c; 12 lbs., \$2.25; 24 lbs., \$4.00. At Store—1 lb., 30c; 4 lbs., 75c; 12 lbs., \$1.95; 24 lbs., \$3.60.

SULFORON (Micro-fine Wettable Sulphur)—Sulphur is a specific for the control of many diseases such as apple and peach scab, the brown rot of peaches, plums and other stone fruits, the powdery mildew of various plants, carnation and snapdragon rust, and the black spot of roses. It is also used in the control of such mites as the common red spider which attacks many kinds of plants. Sulforon is a specially prepared, finely divided product. It is instantly wettable and disperses uniformly in water. May be dusted or sprayed. Full directions on each package. Packed in 6-lb. pkgs. only. Post paid—6 lbs., 85c; 12 lbs., \$1.45; 24 lbs., \$2.45. At Store—6 lbs., 65c; 12 lbs., \$1.20; 24 lbs., \$2.00; 48 lbs., \$3.84.

"34" COPPER FUNGICIDE—Is highly efficient and yet very safe. It will remain toxic over longer periods of time than bluestone, bordeaux and other copper fungicides, and therefore, more effective. Can be used as a dust or spray. As a spray "34" Copper Fungicide is used for the same purposes as bordeaux and bluestone, but in smaller quantities. Use 3 lbs. per 100 gals. of oil emulsion spray for control of peach leaf curl. We recommend 3 lbs. per hundred gals. of spray for control of bitter rot, blotch, etc., of apples and black rot and mildews of grapes. If fungus troubles are not severe, 2 to 2½ lbs. may be used per 100 gals. of spray. No lime is necessary when "34" Copper Fungicide is used without arsenicals. When arsenicals are used 4 lbs. lime per 100 gals. spray must be added. As a dust it is used on beans, tomatoes, potatoes, cucumbers, and other truck crop vegetables. Post paid—6 lbs., \$1.40; 12 lbs., \$2.50; 24 lbs., \$4.70. At Store—6 lbs., \$1.25; 12 lbs., \$2.25; 24 lbs., \$4.25; 48 lbs., \$7.95.

TRI-GEN—The complete spray treatment for roses. Kills chewing insects, aphids, plant lice, thrips, leaf hoppers, beetles, rose chaffer, white fly, lace wing fly and in addition, controls diseases such as black spot, rust, mildew, blight. Stimulates growth. Harmless to foliage and blooms. Small Kit, makes 16 qts.—\$1.50. Post paid \$1.70. Medium Kit, makes 64 qts.—\$4.00. Post paid \$4.25. Large Kit, makes 32 gals.—\$6.00. Post paid \$6.35.



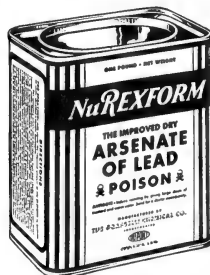
PARIS GREEN (Poison)—Effective against the potato bug and tobacco and cotton worms and most leaf-eating insects. Not to be used on tender foliage such as the peach and the Japanese plum. Post paid—¼ lb., 25c; 1 lb., 70c; 5 lbs., \$2.70; 14 lbs., \$5.85. At Store—¼ lb., 20c; 1 lb., 60c; 5 lbs., \$2.50; 14 lbs., \$5.50.

DUST GUN (Loaded)—Ready to use. An inexpensive dust gun containing 12 oz. of Rotenone powder which can be refilled. The ideal duster for the small vegetable or flower grower since the non-poisonous Rotenone dust controls both sucking and chewing insects. Postpaid—55c. At Store, 45c.



DUTOX (for Chewing Insects)

It can be applied as a dust alone (six pounds per acre) or diluted with four or five times its weight of lime, road dust or some other inert material, and the gun set so as to deliver enough of the mixture to give six pounds of Dutox to the acre. As a spray use 2 pounds of Dutox to 50 gallons of water. Dusting can be done on beans when leaves are wet without danger of burning foliage. Dutox is recommended for use against Mexican bean beetle, striped and spotted cucumber beetle, Colorado potato beetle, egg-plum beetle, blister beetle, cabbage worm and tomato worm. Price—post paid—1 lb., 45c; 6 lbs., \$1.40; 36 lbs., \$7.45. At Store—1 lb., 35c; 6 lbs., \$1.20; 1 case, 36 lbs., \$6.84.



ARSENATE OF LEAD NuREX-form—for all chewing insect control—so different and superior it is patented. Spraying at best is a hard job. But when arsenate of lead won't spray uniformly—light and watery on one tree and heavy on another—settles in the tank, clogs screens and nozzles—it's simply impossible to do a good job of controlling insect pests. Perfect suspension in NuREXFORM goes much further than merely insuring a spray of uniform strength. It is also a factor in insuring an even spread over the foliage and fruit. Lead arsenate, as every grower knows, is used primarily against leaf-eating insects. If a spray is used that does not spread and cover evenly and uniformly, there are bound to be unprotected areas and such unprotected surfaces are open doors to the ravages of chewing insects. Price—post paid—½ lb., 30c; 1 lb., 40c; 4 lbs., 90c; 12 lbs., \$2.20; 24 lbs., \$4.10. At Store—½ lb., 20c; 1 lb., 30c; 4 lbs., 75c; 12 lbs., \$1.95; 24 lbs., \$3.60.

CALCIUM ARSENATE—Recommended by all experimental stations for cotton boll weevil also a sure control for army worms. Kills effectively potato bugs, tomato worms and other chewing insects. Dust or spray. Price—post paid—1 lb., 30c; 4 lbs., 65c; 12 lbs., \$1.60; 24 lbs., \$2.85. At Store—1 lb., 20c; 4 lbs., 50c; 12 lbs., \$1.35; 24 lbs., \$2.40.



SLUG SHOT (Hammons)—non-poisonous powder insecticide; it requires no mixing or preparation, easily applied and not injurious to person applying it, or fruits and vegetables. Destroys potato bugs, beetles, green flies, slugs, worms, etc. Price—post paid—1 lb., 35c; 5 lbs., \$1.20; 10 lbs., \$2.10; 25 lbs., \$3.75. Not prepaid—1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.90; 25 lbs., \$3.25.



SUPERFINE SULPHUR—325 Mesh—For dusting cotton hoppers, red spider, mildew on roses and for use with lime in making self-boiled lime sulphur solution.

Price, post paid—1 lb., 20c; 5 lbs., 95c; 10 lbs., 95c; 25 lbs., \$1.85. At Store—1 lb., 10c; 5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.35; 50 lbs., \$2.25; 100 lbs., \$4.00.

TRIANGLE SULPHUR—200 Mesh—Post paid—1 lb., 20c; 5 lbs., 95c; 10 lbs., 95c; 25 lbs., \$1.75. At Store—1 lb., 10c; 5 lbs., 35c; 10 lbs., 65c; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.50.

CHAMPION TREE KILLER—Kills Trees, Shrubs, Sprouts in 3 to 10 Days—Rid your fields of useless plants and trees that shade growing crops. **IT IS A POISON.** Full directions on each container. Post paid—Qt., 65c; gal., \$1.50. At Store—Qt., 50c; gal., \$1.25; 5 gals., \$5.50; 10 gals., \$11.00; 30 gals., \$30.00.



PRICES ON THIS PAGE POST PAID THROUGH THIRD ZONE ONLY

Most insecticides are poison and should be kept locked when not in use

NEW EVER GREEN SPRAYS

New Ever Green contains spreader, therefore you simply dilute with water and spray. This is a Pyrethrum insecticide, for killing plant lice, cabbage worms, cutworms, cucumber beetle, thrips, rose slugs, rose chaffer, squash beetles, leaf hoppers, potato bugs or beetles, bean beetle, Japanese beetle. Full directions on each package. **Post paid—1 oz. (makes 6 gallons of spray), 40c; 6-oz. bottle, \$1.10; 1-pt. bottles, \$2.10. At Store—1 oz., 35c; 6 ozs., \$1.00; 1 pt., \$2.00.**



BLACK LEAF 40—A nicotine solution for destroying aphids, lice, etc., in orchards on both garden and flowering plants. A teaspoonful makes three quarts of solution. This is one of the most effective preparations for general sucking insects. Kills by contact and fumes. A remarkable control for poultry lice, that does away with dusting, dipping or greasing, and yet absolutely effective. Simply paint the perches shortly before roosting time. **Post paid—1 oz., 35c; 5 ozs., \$1.05; 1 lb., \$2.25; 2 lbs., \$3.20; 5 lbs., \$6.00; 10 lbs., \$11.20. At Store—1 oz., 32c; 5 ozs., 95c; 1-lb. tin, \$2.10; 2-lb. tin, \$3.00; 5 lbs., \$5.75; 10-lb. tin, \$10.90.**

TOBACCO DUST—Sure death to all plant lice and aphids. For best results, dust when there is no wind. Our tobacco dust is of extra fine quality, very strong in nicotine content. **Price, post paid—1 lb., 20c; 3 lbs., 40c; 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.45. At Store—1 lb., 10c; 3 lbs., 25c; 5 lbs., 35c; 10 lbs., 60c; 25 lbs., \$1.00.**

CROW-TOX—Protects corn from crows, blackbirds, moles, etc. It aids and hastens germination, which means healthier stalks and larger yields per acre. Crow-Tox will not kill birds or animals. Saves seed loss. **½-pint can, treats 1 bushel seed corn, 70c, post paid. At Store, 60c. 1-pint can, \$1.10, post paid. At Store, \$1.00. 1-quart can, \$1.65, post paid. At Store, \$1.50.**



NURSERY-VOLCK—For the garden, greenhouse, florist and nurseryman. It successfully controls scale, mealy bug, white fly, red spider, and mites, aphid, and many other insect pests. Rose mildew is prevented by spraying with VOLCK. Full directions on each can. **Price—post paid—½ pt., 45c; 1 qt., 90c; 1 gal., \$2.50. At Store—½ pt., 35c; 1 qt., 75c; 1 gal., \$2.25; 5 gals., \$9.00.**



Applying Parachlorobenzene

ETHYLENE DICHLORIDE EMULSION—Best peach and plum tree borer control. You dilute our emulsion with equal amount of water or more depending on age of trees to be treated. Applications are made by wetting the soil immediately surrounding the tree, and the trunk at the ground line should receive some of the material during the treatment. Ethylene Dichloride Emulsion has two distinct advantages over Parachlorobenzene. It may be used with little or no preparation of the soil before treatment and it is not necessary to mound up afterwards, but, it is advisable to throw a few shovels of dirt around the tree trunk. It may be applied in fall, winter or spring but by all means apply it in fall if possible. Gallon treats 40 four- to five-year trees or 53 three-year trees. Full directions on each package. **Price, post paid—Pt., 45c; qt., 80c; ½ gal., \$1.20; 1 gal., \$1.75. At Store—Pt., 30c; qt., 60c; ½ gal., 95c; gal., \$1.40; 5 gals., \$5.75.**

PARACHLOROBENZENE—An effective peach and plum tree borer control. Apply in Upper South September 15 to October 1; Middle South October 1 to October 15; Lower South October 15 to November 15. Can also be used in the spring. Use only ¼ ounce on two-year old trees; ¾ ounce for three-year old trees. For trees only 1½ to 2 ounces. **Post paid—1 lb., 45c; 5 lbs., \$1.45; 10 lbs., \$2.50; 25 lbs., \$5.00. At Store—1 lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.25; 25 lbs., \$4.50; 50 lbs., \$8.50.**

DERRIS DUST MIXTURE—An economical combination of Derris and sulphur which acts as a fungicide and insecticide. It controls the majority of sucking and chewing insects which do the most damage to your vegetable and flower garden. One of the surest and safest controls for Mexican Bean Beetle. Apply with dust gun under-side of leaves. It is deadly to all forms of insect life yet perfectly safe to use on vegetables when applied according to directions as it contains no arsenic or other poisons dangerous to humans or animals. Apply with dust gun and avoid waste. **Post paid, 1 lb., 30c; 5 lbs., \$1.00; 25 lbs., \$3.85. At Store, 1 lb., 20c; 5 lbs., 80c; 25 lbs., \$3.25; 50 lbs., \$6.00; 100 lbs., \$11.00.**



DRY LIME-SULPHUR—For dormant spraying against San Jose scale and peach leaf curl use 15 pounds of Dry Lime Sulphur to each 50 gallons of water. For summer spraying against apple scab, pear scab, apple powdery mildew and red spider use 3 to 4 pounds of Dry Lime Sulphur to 50 gallons. **Post paid—1 lb., 45c; 5 lbs., \$1.50; 12½ lbs., \$1.80; 25 lbs., \$3.25. At Store—1 lb., 35c; 5 lbs., \$1.35; 12½ lbs., \$1.50; 25 lbs., \$2.75; 50 lbs., \$5.25.**



ACME KOPPER QUEEN (Mildew and Black Spot Spray)—A strong liquid copper spray for the control of mildew and black spot on rose bushes, flowers, and many other kinds of foliage. Stainless, leaves no unsightly residue which detracts so much from the appearance of flowers and ornamentals in your yard. Being a liquid concentrate it is more easily diluted and sprayed than Sulphur and Bordeaux. **Post paid—½ pt., 45c; pt., 70c; qt., \$1.00; gal., \$2.50. At Store—½ pt., 35c; pt., 60c; qt., 90c; gal., \$2.25.**



FISH OIL SOAP (40% Potash)—A soap effective as a spreader and in destroying many sucking insects on plants, trees and ferns. For mild forms of scale. An excellent summer spray, when something stronger cannot be used for San Jose scale. **Post paid—1 lb., 40c; 5 lbs., \$1.35; 10 lbs., \$2.10. At Store—1 lb., 30c; 5 lbs., \$1.15; 10 lbs., \$1.85; 25 lbs., \$3.50.**



RED ARROW is a concentrated extract of pyrethrum flowers combined with spreader. Because it kills on contact, it is deadly to both chewing and sucking insects. Red Arrow is perfectly safe, nonpoisonous to human beings; cannot discolor blossoms or injure plants. One-ounce bottle makes 8 gallons. **Price, post paid—1 oz., 40c; 4 ozs., \$1.10; 1 qt., \$2.95; 1 qt., \$5.15. At Store—1 oz., 35c; 4 ozs., \$1.00; 1 qt., \$2.85; 1 qt., \$5.00.**



GRAFTING WAX—Used for grafting scions on trees, healing cuts around the graft. Full directions on each package. **Post paid—¼ lb., 25c; ½ lb., 40c; 1 lb., 60c. At Store—¼ lb., 20c; ½ lb., 30c; 1 lb., 50c.**



ALL PRICES ON THIS PAGE POST PAID

LEGUME-AID DEPENDABLE INOCULATION

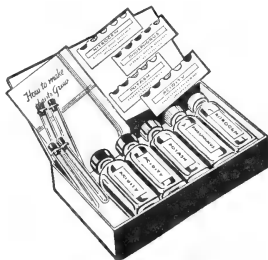
Superior Multiple Strains—Money Back Guarantee
Specify Size of Carton and Seed to Be Inoculated

Seed Group	Size	Inoculates	Price
Alfalfa —Sweet Clover, Hubam, Bur Clover and Black Medic	½ Bu.	30 lbs.	\$0.30
	1 Bu.	60 lbs.	.50
	2½ Bu.	150 lbs.	1.00
Clovers —Medium Red, Mammoth, Alsike, Crimson and White	½ Bu.	30 lbs.	.30
	1 Bu.	60 lbs.	.50
	2½ Bu.	150 lbs.	1.00
Peas —Garden, Field, Sweet and Canning Peas	1 Bu.	60 lbs.	.30
	*1½ Bu.	100 lbs.	.50
	2 Bu.	120 lbs.	.50
Austrian Winter Peas —	2 Bu.	120 lbs.	.50
All Vetches	5 Bu.	300 lbs.	1.00
*This Special "100 lb. size" made only for Austrian Winter Peas and Vetch.			
Beans —String, Snap, Wax, Navy	1 Bu.	60 lbs.	.30
	2 Bu.	120 lbs.	.50
	5 Bu.	300 lbs.	1.00
Cow Peas —Peanuts—Crotalaria, Lima and Velvet Beans	1 Bu.		.30
	2 Bu.		.50
	5 Bu.		1.00
	*50 Bu.		5.00
*The 50 bu. size contains 10 plain inner cartons, each packed for 5 bushels of seed.			
Lespedeza —All Varieties Hulled or unhulled	1 Bu.		.30
	2 Bu.		.50
	5 Bu.		1.00
Soy Beans —(All Varieties)	up to 2 Bu.	120 lbs.	.30
	5 Bu.	300 lbs.	1.00
	**50 Bu.	3000 lbs.	5.00

**The 50 bu. ("10 in 1") size contains 10 fully printed inner cartons, each packed for 5 bushels of soy beans.

Garden Group—For Garden Peas, Sweet Peas, Beans and Lupines

Garden Size Packet	5 lbs. seed	Each	.10
Market Size Jumbo Packet	15 lbs. seed	Each	.25



HOME GARDENER'S SOIL TEST KIT

The ideal introductory kit. Easy to use. Tests for nitrogen, phosphorus, potash and acidity. Gives all essential information for successful lawn or garden. Helps the gardener grow more beautiful flowers and more delicious vegetables.

Post paid, \$1.95; at Store, \$1.75.

SOIL TEST KIT

Larger; makes more tests than above kit; cased in handsome sturdy imitation leather. Ideal for Agricultural Teachers classroom demonstrations.

FIRST, the Sudbury Soil Test Kit measures the acidity of the soil—showing how much lime is required by your plants and grasses.

SECOND, it tests for the three essential plant food elements—nitrogen, phosphorus, potash—showing the kind and amount of fertilizer to apply.

Simple instructions and data on plant needs accompany each kit.

Price at Store, \$4.75.

INOCULATE ALL LEGUME SEEDS WITH

NITRAGIN

OVER FORTY YEARS OF SERVICE

When ordering, Always state name of seed.

When legumes are properly inoculated nitrogen is gathered from the air and stored in nodules on the roots. Field tests have shown that better crops are harvested when legume seeds are inoculated even when planted on fields where inoculated seeds of the same legume crops had grown the previous year.

Legume Seed to Be Inoculated	Can Sizes	Amount of Seed Each Can Inoculates	Unit Price
Alfalfa	½ bu.	30 lbs.	\$0.30
All Clovers	1 bu.	60 lbs.	.50
	2½ bu.	150 lbs.	1.00
All Vetches Austrian Winter Peas Garden and Sweet Peas	½ bu.	30 lbs.	.25
	1 bu.	60 lbs.	.35
	1½ bu.	100 lbs.	.50
	12½ bu.	750 lbs.	3.50
Beans String, Snap, Wax, Navy and Kidney	½ bu.	30 lbs.	.25
	1 bu.	60 lbs.	.35
	1½ bu.	100 lbs.	.50
Peanuts, Cowpeas and Velvet Beans Lima Beans, Kudzu, Crotalaria	Small package, inoculates up to 120 lbs. seed		.30
	5 bu.	300 lbs.	.55
	25 bu. 1 can	1500 lbs.	2.50
	6-5 bu. cans 30 bu.	1800 lbs.	3.25
Lespedeza All Varieties Hulled or unhulled	Small package, inoculates up to 50 lbs. seed		.35
	Large package, inoculates up to 100 lbs. seed		.50
Soybeans All Varieties	Small package, inoculates up to 120 lbs. seed		.30
	5 bu.	300 lbs.	.55
	25 bu. 1 can	1500 lbs.	2.50
	6-5 bu. cans 30 bu.	1800 lbs.	3.25
Garden Size Garden Peas and Beans, Sweet Peas	Each, 10c		
	Each package will inoculate up 4 lbs. seed		

For Growing Healthier Plants



VITAMIN B₁

Amateurs and specialists have achieved amazing results in plant growth by applying Vitamin B₁. For example, tea rose buds 5 inches long; snapdragons 6½ feet tall have been produced by using Vitamin B₁. It does not replace fertilizer, but is strictly a root re-invalidator which enables the plant to gain the greatest possible benefit from the soil. Most plants need this essential growth factor, so important to the health and vigor of garden and house plants, roses, shrubs, trees and lawns.

Sold in three popular forms—tablets, liquid or powder. Simply mix with water as directed and apply with a sprinkling can. Complete directions give new facts on how to get results with Vitamin B₁.

40 Tablets (makes 40 gals.)	10c
100 Tablets (makes 100 gals.)	25c
250 Tablets (makes 250 gals.)	50c
1-oz. Liquid (makes 140 gals.)	25c
2-oz. Liquid (makes 320 gals.)	50c

HOME GARDEN KIT—100 milligrams crystalline powder and kit for making basic solutions. Economical for large users. Makes 2,000 gallons. \$1.00

**R.B. BUCHANAN SEED CO.****MEMPHIS, TENNESSEE.****BUCK BRAND TESTED SEEDS****HOW TO USE BUCHANAN'S FERTILIZERS**

Fifty to sixty pounds of Tip-Top Fertilizer is sufficient for a garden 40 x 50 feet.

Apply fertilizers on all field crops, 200 to 400 pounds per acre, according to the soil.

Fertilizer can always be used to good advantage by opening up the row, sprinkling thinly the fertilizer; cover same with a little soil and sow your seed. Or it can be used by working into the soil along the rows after the plant is up, care being taken not to let it come in contact with the leaves or stem of the plant. For plants that are transplanted, work the fertilizer into the soil thoroughly before transplanting, using from a teaspoonful to a small handful, according to the size and nature of the plant.

Nitrogen is the element which primarily gives the plant growth and is especially necessary for rapidly growing crops as spinach, turnip, cabbage. Phosphate is a necessity for a strong, vigorous root system. Seed and fruit cannot be properly formed without an abundance of available phosphate. Phosphorus also hastens maturity. Phosphate should be applied freely to corn, small grains and legumes. Potash strengthens stems and stalks of plants, improves the quality of the crop and makes it more resistant to disease. Potash is especially beneficial in giving color to fruit, enabling cotton to resist wilt, and should be applied freely to all root crops.

For prices on larger quantities of Fertilizer see Yellow List in center of catalogue. Write for delivered prices on car lots.

VIGORO**THE COMPLETE,
BALANCED PLANT FOOD**

Scientists have shown that all plants require 11 different food elements from the soil if they are to have normal growth and development. That's why we recommend VIGORO for everything you grow. Vigoro, the complete, balanced plant food made by Swift, contains every one of these 11 needed elements in proper proportion.

Vigoro is clean, sanitary, and odorless... and it's the most economical plant food you can buy when you consider results obtained because it is a complete food! Use it at the rate of 4 pounds per 100 square feet of lawn or garden area.

Vigoro is a scientific product that was created to meet the needs of all plant life. Experiments and years of research proved that only a complete plant food would prove satisfactory.

Prices—Post paid—1 lb., 20c; 5 lbs., 65c; 10 lbs., \$1.15; 25 lbs., \$1.90. At Store—1 lb. pkt., 10c; 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

BUCHANAN'S TIP-TOP TRUCKER**Analysis: 6% Nitrogen, 8% Phosphate, 6% Potash**

A very high grade fertilizer for general purposes, giving you more for your money than any other mixed farm fertilizer we sell. Popular among market gardeners who wish to get their crops on the early market. The high nitrogen content gives vegetables a quick start and pushes them to maturity.

Price, post paid—5 lbs., 45c; 10 lbs., 65c. Price, not prepaid—5 lbs., 25c; 10 lbs., 40c; 25 lbs., 75c; 50 lbs., \$1.15.

MURIATE OF POTASH (50% Available Potash)—Highly recommended for fertilizing cotton to prevent rust and wilt and to improve the staple. For cotton and grains, 25 to 50 pounds to acre; for potatoes, turnips and truck crops, 50 to 150 pounds to acre.

Price, post paid—5 lbs., 50c; 10 lbs., 80c; 25 lbs., \$1.60. Price not prepaid—5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.65.

BUCHANAN'S 4-8-8 FERTILIZER**Analysis: 4% Nitrogen, 8% Phosphate, 8% Potash**

Especially good for fertilizing tomatoes, Irish potatoes, sweet potatoes, and all root crops. If properly applied it produces smoothness and firmness in the tubers and fruit, also giving earlier maturity. It is an excellent fertilizer for general crops on soils deficient in potash, especially sandy soils.

Price, post paid—5 lbs., 45c; 10 lbs., 65c. Price, not prepaid—5 lbs., 25c; 10 lbs., 40c; 25 lbs., 75c; 50 lbs., \$1.15.

**PLANTABBS**

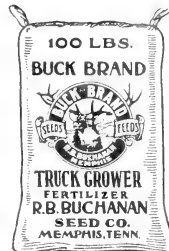
Fulton's Plantabbs in tablet form are a complete, balanced plant food plus Vitamin B₁ in a form so simple and easy to use that it is impossible to go wrong. This unusual complete concentrated fertilizer and Vitamin B₁ root stimulant will work wonders on your house and garden plants. Rejuvenates sickly plants almost overnight, increasing number and size of blossoms.

Post paid—10 tablets, 10c; 30, 25c; 75, 50c; 200, \$1.00; 1,000, \$3.65.

BUCHANAN'S TRUCK GROWER**4% Nitrogen, 8% Phosphate, 4% Potash**

This perfectly balanced fertilizer is best suited to average soils and to the largest number of crops, especially beans and peas. A very popular fertilizer among market growers who wish to get their crops on the market early. Apply 300 pounds to 600 pounds to acre, depending on soil and crop grown.

Prices, post paid—5 lbs., 45c; 10 lbs., 65c. Prices, not prepaid—5 lbs., 25c; 10 lbs., 40c; 25 lbs., 70c; 50 lbs., \$1.00.

**BONE MEAL**

A fertilizer for all purposes; safe and effective. Excellent for roses, flowers, lawns and shrubbery. Will not burn plants; slow acting and lasting in effect, therefore the ideal fertilizer to use when planting any bulbs. Apply 10 pounds per 100 square feet.

Post paid—5 lbs., 45c; 10 lbs., 70c; 25 lbs., \$1.50. At Store—5 lbs., 25c; 10 lbs., 45c; 25 lbs., 95c; 50 lbs., \$1.70; 100 lbs., \$2.95.

NITRATE OF SODA

The most readily available source of nitrogen. When used on vegetables, cotton and corn, it is not unusual for the yield to be doubled. Early spring applications on oats and other grains consistently increase yields 50%. On field crops use about 150 lbs. to acre.

Post paid—5 lbs., 45c; 10 lbs., 70c; 25 lbs., \$1.25. At Store—5 lbs., 25c; 10 lbs., 45c; 25 lbs., 80c; 50 lbs., \$1.40.

ACID PHOSPHATE

Is recommended for all legume, grain and pastures and for applying to all land deficient in phosphoric acid. A liberal supply of phosphate is necessary for plants to set and develop fruit and grain in large quantities. Apply 300 to 400 pounds to the acre.

Price, post paid—5 lbs., 35c; 10 lbs., 60c; 15 lbs., 70c; 25 lbs., \$1.10. Not prepaid—5 lbs., 20c; 10 lbs., 35c; 15 lbs., 45c; 25 lbs., 60c; 50 lbs., 90c.

ALUMINUM SULPHATE—When applied 2 pounds per 20 square feet will make soil more acid, giving acid-loving plants like azaleas vigor and profuse blossom.

Prices, post paid—1 lb., 20c; 5 lbs., 60c; 10 lbs., 95c. Not prepaid—1 lb., 10c; 5 lbs., 40c; 10 lbs., 70c; 15 lbs., 90c.

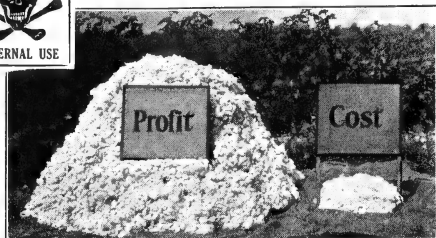
SULPHATE OF AMMONIA—Contains 20% of nitrogen. A cheap source of nitrogen. For top dressing lawns it has no superior, but must be watered at once to prevent burning. When used on cotton, corn, etc., apply before planting.

Price, post paid—5 lbs., 45c; 10 lbs., 70c; 25 lbs., \$1.35. Not post paid—5 lbs., 25c; 10 lbs., 45c; 25 lbs., 85c; 50 lbs., \$1.45.

PEAT MOSS HORTICULTURAL

Peat Moss will prepare any soil for lawn or garden purposes and will improve the growing conditions. It is especially adapted to loosen up tight, clay soil, thereby making the soil retain moisture which will liberate plant food and holds it over long periods of time for the constant use of plant roots. Neither water nor food leach away, enabling you to make a veritable plant paradise out of any type soil.

Prices, at Store—50 lbs., \$1.35; 1 bale (20 bu.), \$3.50.

**MISCELLANEOUS****DU BAY SEED DISINFECTANTS****2% CERESAN FOR COTTON AND PEAS**

Improves Stands and Yields—2% Ceresan treated cotton seed in forty tests on farms in the south produced almost 60% better stand before chopping than untreated seed; 30% more plants after chopping and 16.2% greater yield at picking time. Treated seed can be planted earlier as it reduces damping off, prevents rotting in cold, wet, soil and controls such diseases as anthracnose and angular leaf spot. 9 oz. treats 100 lbs. seed.

Prices—Post paid—1 lb., 85c; 5 lbs., \$3.50; 25 lbs., \$14.95. At Store—1 lb., 75c; 5 lbs., \$3.30; 25 lbs., \$14.50; 100-lb. drum, \$52.00.

SEMESAN—For Bulbs, Flower and Vegetable Seeds

Hastens and increases germination; produces stronger, more vigorous plants, arrests or destroys most of the diseases carried on the surface of seeds and bulbs. By treating bulbs and seeds you can have earlier flowers and vegetables. 1 oz. treats 15 to 30 lbs. of seed.

Prices—Post Paid—1/3 oz., 10c; 2 ozs., 45c; 1 lb., \$2.60; 5 lbs., \$11.60. At Store—1/3 oz., 10c; 2 ozs., 40c; 1 lb., \$2.50; 5 lbs., \$11.40.

**NEW SEMESAN BEL—For Potatoes**

Seed potato treatment with New Improved Semesan Bel gave an average increase in yield of 35.4 bushels per acre, by controlling seed borne and soil borne diseases, reducing seed rotting and improving stands. Costs 1 1/2c to 3c per bushel, as one pound treats 60-80 bushels of seed. **Prices**—Post Paid—2 oz., 35c; 1 lb., \$1.75; 5 lbs., \$7.35; 25 lbs., \$33.70. At Store—2 ozs., 30c; 1 lb., \$1.65; 5 lbs., \$7.15; 25 lbs., \$33.25.

**NEW IMPROVED SEMESAN JR.—For Corn**

Protects seed corn from rotting, allows earlier planting, hastens and increases germination and produces sturdier plants; controls seedling blight, reduces root and stalk rots, makes the stalk stand up better, improves the ear and increases the yield. 1 1/2 ounces treat a bushel of shelled corn.

Prices—Post Paid—1 1/2 ozs., 15c; 1 lb., 85c; 5 lbs., \$3.20; 25 lbs., \$12.95. At Store—1 1/2 ozs., 15c; 1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$12.50.

**NEW IMPROVED CERESAN**

For small grains, sorghum, millet and cotton. Controls nearly all types of smut which is so destructive to oats, barley and wheat thereby frequently increasing yields from 6 to 18%—adding a real profit to your crops. 1 oz. treats bushel of grain.

It is widely used on cotton as it is so economical. 1 1/2 oz. treats bushel.

Post Paid—4 ozs., 35c; 1 lb., 90c; 5 lbs., \$3.60; 25 lbs., \$15.45. At Store—4 ozs., 30c; 1 lb., 80c; 5 lbs., \$3.40; 25 lbs., \$15.00; 100 lbs., \$55.00.

**ETHYLENE CHLORHYDRIN**

Causes Spring-Grown Irish Potatoes to Sprout for LATE Crop. This unusual, quick method (in use many years) has the

effect of waking the potato or bringing it out of the rest period.

Read Carefully How to Treat the Seed

Dig the potatoes and let them dry 3 or 4 weeks before planting. Eight hours before planting, cut the seed in pieces about 1 ounce in weight. Cut small potatoes in two. Dip the cut potatoes in solution of Ethylene Chlorhydrin and water as per table below.

Allow the potatoes to remain in the solution just long enough to become thoroughly wet. Remove and put in a container just as near air-tight as possible and let remain there eight hours. Do not treat potatoes when temperature is above 90 degrees in shade, as it will cause rot. Do not treat with any other chemical, as the combined treatments will cause rot.

Ethylene	Water	Treats	At Store	Post Paid
1/2 Pint	2 Gallons	2 Bushels	\$0.50	\$0.65
1 Pint	4 Gallons	4 Bushels	.85	1.00
1 Quart	8 Gallons	10 Bushels	\$1.50	1.75
1/2 Gallon	16 Gallons	20 Bushels	2.50	2.90
1 Gallon	32 Gallons	40 Bushels	4.50	5.00

**AGRICULTURAL TEACHERS' SEED SAMPLES**

We furnish seed sample cases (picture below) to agricultural teachers for seed identification instructions in their classes only. Packed 24 to the case. Frequently it is impossible to send the exact varieties you order since we seldom stock seed except in the active planting season, so we suggest that you list more than 24 varieties in the position of their importance. We postpay this sample case for \$1.25.



Seed Samples

PEST CONTROLS—MEAT CURING SUPPLIES



KILLS RATS

without poison

K-R-O is made of red squill, an ingredient recommended by U. S. Government as sure death to rats and mice but which will not kill anything else. K-R-O killed 238 rats in 12 hours on a Kansas farm.



K-R-O Prices—Small size, post paid, 80c; at Store, 75c. Large size, post paid, \$2.10; at Store, \$2.00.



RED CROSS RAT AND MOUSE EMBALMER

A sure rat and mouse destroyer that does the work thoroughly and without any odor. **Post paid, 30c and 55c. At Store, 25c and 50c.**

MOUSE SEED KILLS MICE

A poisoned seed which is scientifically treated to attract mice. A clean, deadly mouse exterminator that never fails to get them. No preparation necessary; the seed is all you need. **Post paid —Pkg., 30c.**



SURE DEATH TO MICE

A scientifically poisoned seed which mice prefer to other food. Ready for instant use. No muss to clean up. Does not attract children or pets. **Post Paid—Pkg., 15c.**



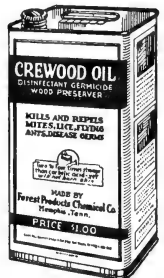
BEE BRAND

World's Largest Selling Insect Powder

—because it is certain death to flies, fleas, ants, moths, lice, mosquitoes, roaches and other household and poultry insects. Absolutely harmless to humans, animals and pets. **Postpaid—2½ ozs., 25c; 11 ozs., 50c; 11 ozs., \$1.10.**

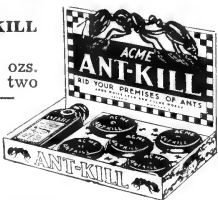


Post paid, each, 15c; 3 for 35c; at Store, 10c each.



ACME ANT KILL JR. SET

Contains 2 ozs. syrup with two cups. **Price—One Set, 35c; post paid, 45c.**



COTTAGE SET

Contains 3 oz. bottle syrup, 5 cups. The special patented cup, with its anchoring means, protects birds, fowls, and pets from the syrup while giving easy access to ants. Use indoors or out. **Price—1 Set, 60c; post paid, 75c.**

TERRO Ant Killer

Will rid your place of Ants in 24 hours

Dead sure and quick relief from annoying ants. Simply pour the preparation where ants enter the house or where they travel. **Price—post paid, 1¼ oz., 35c; at Store, 25c.**



ANTROL

Offers quick and complete relief. Place feeders at places where the ants travel. Four filled feeders. **post paid, 55c; at Store, 40c.**



MEAT PUMP

By pumping hams and shoulders next to the bone with this unique meat pump using Morton's Tender-Quick the cure starts working at the same time from the inside out as well as the outside in. This durable, seamless brass meat pump is almost positive insurance against losing your meat. **Each, post paid, \$1.60; At Store, \$1.50.**

OLD SMOKEHOUSE LIQUID SMOKE

An original liquid formula to be brushed on meat after salting in the usual way. It will give a cure equal to the old smoking methods. **Post paid, pt., 55c; qt., \$1.10; At Store, pt., 45c; qt., 90c.**

CREWOOD OIL

Paint or spray the poultry house with Crewwood Oil. Insects, mites or lice can not survive where it is. It is a special distilled wood creosote that soaks into the wood and kills the germs and mites instantly. **Prices at Store:**

1-gal. can \$0.90
2½-gal. drum . . 1.50
5-gal. drum . . . 2.50
10-gal. drum . . . 4.75

\$1,000 Roach Killer. Post paid—Pkgs., 40c, 75c, \$1.35.

\$1,000 Rat and Mice Killer. Post paid—Pkgs., 40c, 75c.

\$1,000 Flea Killer. Post paid—½ pt., 35c; pt., 60c; At Store, 25c and 50c.

\$1,000 Moth Killer. Does not stain. Post paid, pt., 90c; At Store, 75c.

\$1,000 Bed Bug Killer. Eradicate this embarrassing pest. **Post paid—pt., 45c; qt., 80c; At Store, 35c and 65c.**



FIGARO is liquid smoke made from the best smoking woods, in condensed form. Simply brush FIGARO on the meat, after removing the coating of the cure from the meat by dipping in hot water, and allow to drain and dry from 24 to 48 hours. Directions on each bottle.

Price—at Store—½ pt., 50c; 1 pt., \$1.00; 1 qt., \$1.50. Post paid —½ pt., 60c; 1 pt., \$1.15; 1 qt., \$1.70.



Is an improved meat curing salt—a perfect blending of salt, sugar—cure and smoke. Easy to use. With Morton's Smoke Salt you salt-cure, sugar-cure and mildly smoke the meat all at the same time. 10-lb can cures 100 lbs. of meat. 2½

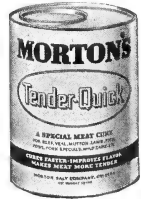
lb. can, 25c; post paid, 35c; 10 lb. can, 90c; post paid, \$1.15.



MORTON'S SEASONING

A complete carefully blended mixture that takes the guesswork out of seasoning. Primarily for seasoning sausage but also excellent for stuffings, etc. **Post paid—3 ozs., 15c; 10 ozs., 35c; 1 lb., 60c; At Store—3 ozs., 15c; 10 ozs., 25c; 1 lb., 50c.**

Morton's Tender-Quick is a special meat cure to pump around the bones of hams and shoulders with meat pump. **Price, post paid—2½-lb. can, 65c; 10 lbs., \$2.25; At Store, 2½ lbs., 50c; 10 lbs., \$2.00.**



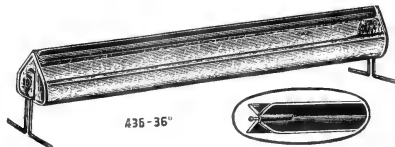


Trough is made of heavy gauge galvanized steel. Die stamped in one piece. Holds either feed or water. Revolving metal reel prevents chicks roosting or getting into trough. Made in three popular lengths. A big value.

No. 104—10 in. long. Postpaid, 20c; at Store, 13c.

No. 105A—18 in. long. Post paid, 30c; at Store, 20c.

No. 106A—24 in. long. Post paid, 45c; at Store, 30c.

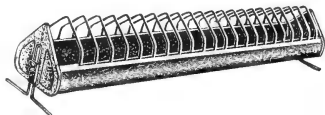


For chicks day old to 10 weeks.

Revolving metal reel prevents chicks roosting or getting into trough. Reel adjustable to three positions. A real all-purpose feeder at low price.

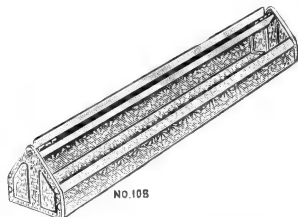
No. 436—3 feet long, with adjustable legs. Prepaid, 85c; at Store, 65c.

No. 448—4 ft. long. Prepaid, \$1.00; at Store, 80c.



This new type feeder can be used for chicks from three weeks old to full grown. Roost-proof wire grill is electric welded. Each feeder complete with quick adjustable stands. Height of trough can be increased as chicks grow.

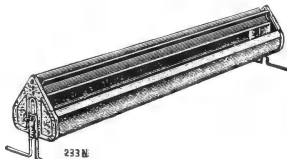
No. 3942W—42 inches long. Post paid, \$1.75; at Store, \$1.40.



No. 108—For starting day-olds and feeding up to 6 weeks. Two position adjustment of revolving reel.

No. 108—2 ft. long. Post paid, 45c; at Store, 30c.

No. 109—3 ft. long. Post paid, 60c; at Store, 45c.



NEW GRO-FAST FEEDER

Adjustable stand; easy to adjust height of trough for week old, growing chicks or pullets. The four bladed reel is adjustable to three positions. Keeps the feed clean—eliminates waste.

No. 233N—36 inches long. Post paid, \$1.20; at Store, 95c.

No. 234N—48 inches long. Post paid, \$1.55; at Store, \$1.20.



CONE TOP FOUNTS

Roost proof, cone top with convenient carrying handle, makes this new fountain very desirable. Small chicks cannot get into the water and drown.

No. 81—One-gallon. Post paid, 85c; at Store, 70c.

No. 82—Two-gallon. Post paid, \$1.15; at Store, 95c.

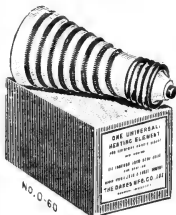


THE DANDY DOUBLE FOUNTAIN

Fills from top; easy to clean. Outer can slides easily over inner tank. Can be used for all fowls from 10 days old to grown. Top slopes sharply to prevent roosting.

No. 501½—1½ gals. Post paid, \$1.20; at Store, \$1.00.

No. 503—3 gals. Post paid, \$2.10; at Store, \$1.85.



CONE HEATERS

For use in any brooder that has a stationary light socket. More effective and economical than a light bulb.

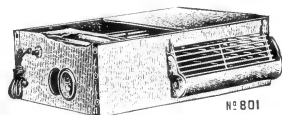
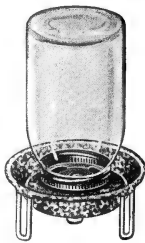
Price—post paid—60 or 100 watt, 60c.

MASON JAR FOUNTAIN

No. 17E—This new fountain is made from extra heavy material, finished with firm coat of brilliant enamel. Short sturdy legs keep chicks and litter out of water.

No. 17E—Each, post paid, 20c; 3 for 45c; at Store, each, 12c; 3 for 30c.

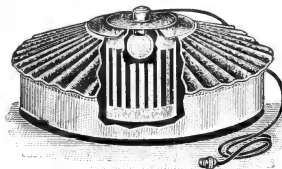
No. 365G—Same as above, except pan is of heavy glass without legs. Very sanitary. Post paid, each, 25c; 2 for 35c; at Store, each, 10c; 2 for 20c. Both without jar.



"GRO-EZY" ELECTRIC BROODERS

New galvanized steel deflector above heating element saves 25 to 35% electricity. Ideal for baby chicks until 4 to 5 weeks old. Plug into ordinary light socket. Thermostat control provides correct heat after once properly adjusted. Chicks stand on wire, the most sanitary method of brooding. Eliminates 95% of chick mortality the first 3 weeks.

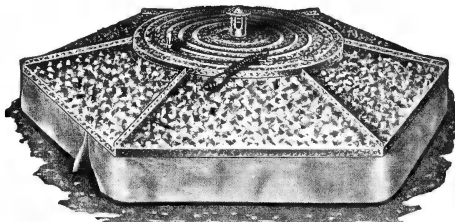
No. 801—Each, at Store, \$10.95.



EDUCATOR ELECTRIC HOVER

Perforated metal housing supports canopy, protects bulb and acts as heat radiator. Porcelain screw socket with 8 foot drop cord and plug. Canvas curtain to retain heat. No bulb or heating element furnished.

No. 25E—Capacity about 50 chicks. Price—Post paid, \$2.45; at Store, \$2.20.



ADVANCE ELECTRIC BROODER

Has automatic heat regulator which cuts off or turns on the current as needed to keep the temperature at the point desired. Canopy is made of heavy gauge galvanized steel and comes complete with legs, cloth curtains, ventilator tube, pilot light, thermometer and 8 feet of drop cord.

No. 520—Capacity 85 to 100 chicks. Post paid, each, \$10.45; at Store, \$9.95.



DOG FOODS AND REMEDIES

PEERLESS DOG RATION



Made of cereals meat, bone and other healthful items; the ration contains 35% meat. Fed dry or mixed with table scraps, or any liquid, it is the cheapest ration that can be procured. Post paid—3 lbs., 40c; 5 lbs., 55c; 10 lbs., 90c; 25 lbs., \$1.90. At Store—3 lbs., 25c; 5 lbs., 40c; 10 lbs., 65c; 25 lbs., \$1.35; 50 lbs., \$2.60; 100 lbs., \$4.95.

PEERLESS DOG CAKES—QUADS—

Is complete in all essential food elements—contain 40% meat. Has the largest meat content of any cereal and meat compounded food on the market today. High in mineral and vitamin content. Post paid—3 lbs., 40c; 5 lbs., 60c; 10 lbs., 95c; 25 lbs., \$1.95. At Store—3 lbs., 25c; 5 lbs., 45c; 10 lbs., 70c; 25 lbs., \$1.45; 50 lbs., \$2.65; 100 lbs., \$5.25.

PEERLESS KIBBLE BISCUITS—

Made of fine clean beef, malt, wheat germ meal, yeast, and cod liver oil. Baked to perfection and kibbles are broken to the right size for convenient feeding. Try this economical well balanced dog food. Post paid—1 lb., 20c; 3 lbs., 45c; 5 lbs., 60c; 10 lbs., \$1.10. At Store—1 lb., 10c; 3 lbs., 30c; 5 lbs., 45c; 10 lbs., 90c; 25 lbs., \$1.95.

ONE SPOT FLEA KILLER

Dust on just one spot and kill all the fleas on the dog or cat. Post paid—30c and 55c. At Store—25c and 50c.



"TET"—Prevents and cures running, barking fits caused by worms: Indorsed by veterinarians. Box for large dogs, \$1.00. Box for small dogs, \$1.00. 1/2 box either, 55c, post paid.

PULVEX REMEDIES

Complete directions with each package.

	Post	At
	Paid	Store
Pulvex Lice Powder (Canaries).....	\$0.30	\$0.25
Pulvex Flea and Lice Powder (Dogs), 1 1/2 oz. ....	.30	.25
3 1/2 oz. ....	.55	.50
12 oz.	1.35	1.25
Sopex, 2 oz. ....	.55	.50
Pulvex Dog Soap ....	.30	.25
Pulvex Combination Worm Capsules— expel round, hook and tape worms—		
Box, dozen capsules.....	.55	.50

DRY YEAST FOR ANIMALS



Helps to increase pep and general vitality, stimulate the appetite and aid digestion, produce a firmer and heavier coat, build stronger bones and muscles. Post paid—3 1/2-oz. can, 30c; 8-oz. can, 60c; 1-lb. can, 95c; 5-lb. can, \$3.75. At Store—3 1/2-oz. can, 25c; 8-oz. can, 50c; 1-lb. can, 85c; 5-lb. can, \$3.50.

GLOVER'S DOG REMEDIES

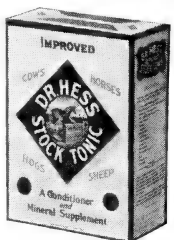
	At Store	Post Paid
Glover's Antiseptic Mouth Wash.....	\$0.49	\$0.60
Glover's Canker Medicine.....	.49	.60
Glover's Comp. Sulphur Tablets.....	.49	.55
Glover's Tonic Pills.....	.49	.60
Glover's Diarrhea Medicine.....	.49	.60
Glover's Eye Lotion and Eye Wash Powder.....	.49	.60
Glover's Iron Tonic Liquid.....	.49	.60
Glover's Flea and Insect Powder.....	.21	.27
Glover's Kennel and Flea Soap.....	.21	.27
Glover's Laxative Pills.....	.49	.55
Glover's Mange Medicine, 3 oz.....	.35	.40
Glover's Mange Medicine, 6 1/2 oz.....	.65	.75
Glover's Mange Ointment.....	.49	.60
Glover's Medicated Soap.....	.25	.30
Glover's Nerve Sedative (for fits).....	.49	.60
Glover's Round Worm Capsules.....	.49	.55
Glover's Tape Worm Capsules.....	.49	.55
Imperial Capsules, for hook and round worms, Puppy size.....	.21	.27
Dog size.....	.21	.27

SERGEANT'S DOG MEDICINES

	At Store	Post Paid
Sergeant's Arsenic and Iron Pills.....	\$0.49	\$0.55
Sergeant's Canker Wash.....	.49	.60
Sergeant's Carbolic Tar Soap.....	.21	.27
Sergeant's Condition Pills.....	.49	.55
Pine Oil Disinfectant, 10 oz.....	.49	.60
Diuretic Rheumatism Pills.....	.49	.55
Sergeant's Eye Wash.....	.49	.60
Sergeant's Intestinal Astringent—Diarrhea.....	.49	.55
Sergeant's Laxative Tablets.....	.49	.55
Sergeant's Liniment.....	.49	.60
Sergeant's Mange Medicine.....	.49	.60
Sergeant's Mouth Wash.....	.49	.60
Sergeant's Nerve Sedative— to relieve nervousness.....	.49	.55
Sergeant's Pepsin Tablets.....	.49	.55
Sergeant's Puppy Worm Capsules.....	.49	.55
Sergeant's Mange Medicine, 2 oz.....	.29	.35
Sergeant's Skip Flea Powder.....	.21	.27
Sergeant's Skip Flea Soap.....	.98	1.15
Sergeant's Sureshot Worm Capsules for Dogs.....	.49	.55
Sergeant's Sureshot Liquid Wormer.....	.49	.60
Sergeant's Tapeworm Medicine.....	.49	.55
Sergeant's Vitapets, furnish all necessary vitamins.....	.49	.55

DR. HESS POULTRY AND STOCK PREPARATIONS

DR. HESS STOCK TONIC



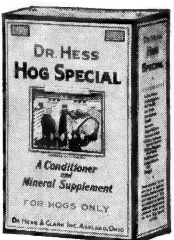
A conditioner and mineral supplement for cows, horses and sheep. Increases appetite, aids digestion and promotes proper elimination. Tests show cows receiving tonic give about 15% more milk. Feeder cattle show average increased daily gain one-third pound per head. Conditions horses and mules for work.

	Prepaid	At Store
1 1/2 lbs.	\$ 0.45	\$0.30
3 lbs. ....	.70	.55
7 lbs.	1.30	1.10
15 lbs.	2.40	2.10
25 lbs.	3.60	3.15

DR. HESS HOG SPECIAL

Conditioner and mineral supplement for hogs only. Tests show hogs reach market weight in less time on far less feed. Especially helpful for runty, unthrifty pigs and hogs.

Post paid—1 1/2 lbs., 45c; 3 lbs., 70c; 7 lbs., \$1.30; 15 lbs., \$2.40; 25 lbs., \$3.60. At Store—1 1/2 lbs., 30c; 3 lbs., 55c; 7 lbs., \$1.10; 15 lbs., \$2.10; 25 lbs., \$3.15.

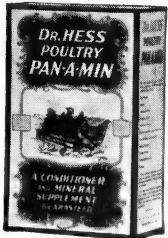


SIXTY-MINUTE WORMER



Worm your dog with Sixty-Minute, the safe, sure, quick action worm expeller for dogs, puppies, cats. Harmless; easy to administer, no fasting, no bad effects. Just feed it in their food or give capsules. 3 capsules, dose for largest dog. Prepaid, 20c; doz., 70c; At Store—3, 15c; doz., 60c.

DR. HESS POULTRY PAN-A-MIN

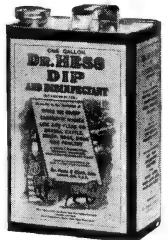


A conditioner and mineral supplement for poultry. Tests show that birds receiving Pan-A-Min regularly lay an average of 11% more eggs per year; baby chicks grow faster, mature earlier. Shortens moulting period. Costs but 10c per hen per year.

DR. HESS DIP AND DISINFECTANT

For use in stables, barns, poultry houses and for killing ticks, lice, mites and other parasites on livestock. Better and safer germicide than carbolic acid. Costs less to use than inferior products.

	Post Paid	At Store
12-oz.	\$0.50	\$0.35
Quart ..... .75	.55	
1/2-gal.	1.00	.80
1-gal.	1.70	1.45
5-gal.	6.50	



DR. HESS UDDER OINTMENT



Penetrating, soothing, softening salve for bruised, caked or swollen udders, cracked or chapped teats and other bruises or superficial injuries.

Post paid—7 oz., 60c; 1 lb., \$1.10. At Store—7-oz. can, 50c; 1-lb. can, \$1.00.

Size	Prepaid	At Store
1 1/2-lb., 10 birds.....	.45	\$.30
3-lb., 20 birds.....	.70	.55
7-lb., 40 birds.....	1.30	1.10
15-lb., 90 birds.....	2.40	2.10
25-lb., 150 birds.....	3.60	3.15



BUCK BRAND TESTED SEEDS

POULTRY SUPPLIES

DR. HESS POULTRY WORM POWDER

A single dose flock treatment given in feed. Active principle, nicotine combined with other materials which make it insoluble until it reaches intestines where it is released full strength. Odorless, tasteless, non-toxic. Does not interfere with egg production or feed consumption.

Size	Prepaid	At Store
2 ozs., 50 birds.....	\$0.55	\$0.50
4 ozs., 100 birds.....	1.00	.90
10 lbs., 250 birds.....	2.00	1.90
1 1/4 lbs., 500 birds.....	3.15	3.00
2 1/2 lbs. 1000 birds.....	5.55	5.40

DR. HESS POULTRY TABLETS

Valuable in treatment of ROUP; slightly astringent, non-irritating and healing. Used as a local antiseptic and to medicate drinking water. Aids in preventing spread of disease. Once dissolved the solution needs no further stirring.

Post paid—30c, 55c and \$1.10 packages. At Store—25c, 50c and \$1.00 packages.

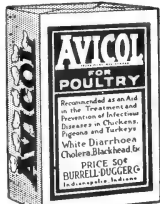
DR. HESS POULTRY WORM TABLETS

Use tablets for positive worm control. Each bird gets the correct dose and it is not necessary to take off of feed before treatment.

Postpaid	At Store
40 tablets..\$.60	40 tablets..\$.50
100 tablets.. 1.10	100 tablets.. 1.00
250 tablets.. 2.10	250 tablets.. 2.00
500 tablets.. 3.65	500 tablets.. 3.50
1000 tablets.. 6.70	1000 tablets.. 6.50

KRESO DIP

To control ticks, lice and minor skin diseases of sheep—swine, cattle, horses, dogs and poultry. Do not use on cats. A potent disinfectant for stables, kennels and poultry houses. Post paid—Pt., 65c; qt., 95c; 1/2 gal., \$1.25; gal., \$2.10. At Store—Pt., 50c; qt., 75c; 1/2 gal., \$1.00; gal., \$1.75.



WALKO DIARRHEA TABLETS—Contains Permanganate of Potash. If kept in baby chick drinking water from the time they are hatched it is almost certain to prevent diarrhoea. An effective roup and diarrhoea remedy for older fowls. Post paid—50c and \$1.00.

AVICOL—Saves Baby Chicks—A safe and effective remedy in tablet form for White Diarrhea, Cholera, etc., in small and grown fowls. Post paid—50c and \$1.00.

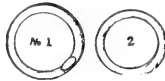
Group Over

A quick acting roup remedy that has long been popular because of its effective results. Post paid, 55c and \$1.10. At Store, 50c and \$1.00.

PEAT MOSS POULTRY LITTER

Thoroughly vacuum cleaned by special patented process which removes excessive dust, dirt and non-absorbing fiber. Vacuum cleaning is your guarantee that you are not paying good money for dirt, refuse or any material which does not serve a useful purpose. Perhaps you have thought of poultry litter as an expense rather than an investment. With poultry droppings, it becomes a fertilizer highly prized by gardeners. You can actually resell this Poultry Peat Manure for more than you paid for it.

Price—1/2 bale, \$2.50; 1 bale, \$3.75.



LEG BANDS

SPIRAL—These slip on like a key ring; cannot drop off; easily removed. Available in red, blue, green, and black colors. Specify heavy or light breed.

ALUMINUM leg bands numbered, adjustable to all breeds. Either post paid—Dozen 10c; 50, 35c; 100, 50c.

GLASS CLOTH

Flexible, unbreakable, cheap and easy to use—cut it with scissors. The finest window material—tough, weather-proof and washable. Excellent for poultry houses, hotbeds, cold frames, windows, sleeping porches, etc. Admits 25 per cent more ultra-violet rays than glass and cheaper substitutes. Our glass cloth is stronger, more transparent and heavier than most competitive products. Comes in rolls 3 feet wide.

	Post Paid	At Store
1 to 5 yards, per yard..	.28c	24c
10 to 25 yards, per yard..	.24c	22c
Roll, 50 yards, per yard..	..	20c



The Original Louse Killing Roost Paint

Simply paint the perches. It works while the chickens sleep. Post paid—1 oz., 35c; 5 oz., \$1.05; 1 lb., \$2.25; 2 lbs., \$3.20; 5 lbs., \$6.00; 10 lbs., \$11.20. At Store—1 oz., 32c; 5 oz., 95c; 1 lb., \$2.10; 2 lbs., \$2.98; 5 lbs., \$5.75; 10 lbs., \$10.90.

"BLACK LEAF" WORM PELLETS

If you prefer individual dosing, use "Black Leaf" Worm Pellets. The uncoated pellets are odorless and tasteless, containing "shockless" nicotine which is highly effective. Price—Post paid, Adult size, doz., 15c; 25, 25c; 50, 45c; 100, 85c; 500, \$3.25; 1,000, \$6.00. For 1 1/2 to 2-lb. chickens give one-half the easily broken adult size tablet.

GOLD LEAF TOBACCO POWDER

Controls round worm in poultry. Easy to use and very inexpensive. Mix 2 pounds of this extra fine quality Tobacco Powder in 100 pounds of mash. 2-lb. pkg., 25c; post paid, 40c; 10 lbs., 75c; post paid, \$1.00.

CHOLERINE—A special aid in preventing and treating cholera and diarrhoea. Equally effective in treating all fowls, young or old, when intestinal disorders develop. Excellent tonic and conditioner. Post paid—8 oz., 45c; 16 oz., 80c; 1 qt., \$1.25. At Store—8 oz., 35c; 16 oz., 65c; 1 qt., \$1.00.



TALCIMIZED SODIUM FLUORIDE

SODIUM FLUORIDE

Certain death to poultry lice; can be used as a dust or a dip. For dusting punch holes in the convenient sifter top can and shake powder in feathers of fowl.

	Each	Post Paid
1/2 lb. (for 40 chickens)..	35c	45c
1 lb.	60c	70c

DON SUNG

—Absolutely guaranteed to put your hens in good condition and make them lay more eggs.

Price—Box, 45 tablets, 50c; large size box, 135 tablets, \$1. Post paid.



PRATT'S PHENO-THI-AZINE

This product is tasteless and nontoxic when used as directed, and it is not necessary to starve the animals or fowls before treatment. Pratt's Pheno-Thi-Azine Special contains the exact form of phenothiazine found most effective by the U. S. Department of Agriculture for worming hogs, sheep, horses and chickens. The ease of treatment combined with its low cost makes this product superior to any other herd or flock treatment worm medicine thus far developed. Pheno-Thi-Azine will remove more types of worms in more different animals and fowls than any other worm medicine. It is a powder which is mixed with the feed and given to the entire herd or flock at one time.

The \$2.25 pkg. treats approximately: Hogs—33, weighing 50 to 100 lbs. each. Sheep—18 Lambs or 13 Ewes. Horses—7. Chickens—1500 full grown, 3000 half grown. Other size pkgs. will treat a proportional number of animals or fowls.

Size	Prepaid	At Store
2 oz.	\$.60	\$.50
4 1/2 oz.	1.10	1.00
13 1/2 oz.	2.40	2.25

R. B. BUCHANAN SEED CO., MEMPHIS, TENN.

Ship to me by—Mail ☐ Express ☐ R. R. Freight ☐ Truck ☐
(Mark X in square for desired shipment)

Postoffice _____ State _____
 Rural Box Express or
 Route No. Freight office
 (If Different from Your Post Office)

NON-WARRANTY—R. B. Buchanan Seed Company, Inc., give no warranty, express or implied, as to description, quality, productivity or any other matter of seed, bulbs, plants, fertilizers, insecticides, etc. they send out and will not in any way be responsible for the crop. Purity and germination, when given, are the results of tests, but are without warranty. If the purchaser does not accept the goods on these terms, they are to be returned at once and the amount paid for them will be refunded.

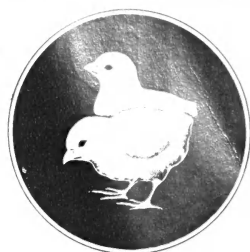
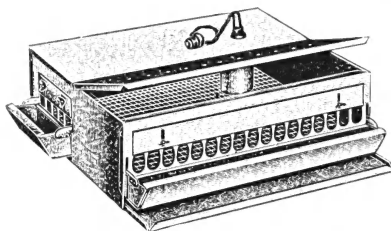
Date _____
Prices _____
Zone _____
Filled _____
Checked _____
Wt. _____ P. _____
Shipped _____

[illegible]

BUCHANAN'S DAY-OLD BABY CHICKS



No. 375
Each
Postpaid
\$3.10



No. 375
Each
At Store
\$2.80

METAL BOX ELECTRIC BROODER No. 375

Accommodates 50 day-old chicks. Made entirely of heavy galvanized steel complete with galvanized dropping pan, very sanitary, easily removed for cleaning. Hardware cloth floor of ½-inch mesh. Feed and water trough easily removed for filling and cleaning. Uses ordinary electric light bulb for heat. Bulb not furnished. Priced almost as low as paper box brooders. This metal outfit is much more satisfactory and will give years of service.

BABY CHICKS

WE GUARANTEE 100% LIVE DELIVERY

If you do not receive 100% of the number of chicks ordered, alive and in good condition, have your delivery agent sign a statement of loss and mail to us within 24 hours after receipt of shipment. We will replace or refund any shortage.

"A" QUALITY CHICKS

Shipping Charges Prepaid

"A" Quality Chicks are produced from high quality, well-matured stock. Every bird selected to meet all standard requirements of the breed. Produced from healthy, free-range flocks, thus insuring high livability and quick growth. Excellent for broilers and egg production.

	25	50	100
White and Brown Leghorns.....	\$2.60	\$4.85	\$9.25
Rhode Island Reds, Barred Rocks, New Hampshire Reds.....	2.70	5.00	9.50
White Rocks, White Wyandottes.....			
Buff Orpingtons.....			

"AA" SPECIAL QUALITY CHICKS

Shipping Charges Prepaid

Our "AA" Quality Chicks are from high-producing flocks. These flocks are mated with "AA" Quality Cockerels, and the chicks from them make an exceptionally good value for the money. These chicks are all from flocks blood tested under the supervision of our hatchery and are the most profitable chicks.

	25	50	100
White and Brown Leghorns.....			
Barred Rocks, Rhode Island Reds, Buff Orpingtons.....	\$2.95	\$5.50	\$10.50
White Rocks, White Wyandottes.....			
S. L. Wyandottes, Black Minorcas.....	3.00	5.65	10.75
Jersey White Giants.....			
Assorted Heavy Breeds, "A" Quality.....	2.60	4.85	9.25
Assorted All Breeds, "A" Quality.....	2.55	4.75	9.00

PRATT'S POULTRY REMEDIES

PRATT'S POULTRY REGULATOR

Gives layers better appetites, digestion and health, enabling them to turn more feed into eggs. Less feed is wasted and this alone pays for the Regulator used.

Postpaid—1½-lb. pkg., 40c; 4 lbs., 60c; 12½ lbs., \$1.90; 25 lbs., \$3.45. At Store—1½-lb. pkg., 25c; 4 lbs., 50c; 12½ lbs., \$1.60; 25 lbs., \$3.00.

PRATT'S CHICK TABLETS

This remarkable product is both a bowel astringent and an antiseptic. It is floated on top of the water by a special ingenious float. From this float the drugs are fed constantly into the water from the top of the fountain. One tablet to quart water makes the most perfect diarrhea preventative.

Postpaid—Small Size (about 30 tablets), 30c. Large Size (about 75 tablets), 65c.

PRATT'S ANIMAL REGULATOR (A General Stock Tonic)
Supplies most necessary minerals and trace elements—those rare important minerals that help all livestock to build health, growth and big strong frames so necessary for profitable livestock production. Feed a little each day.

Price—Postpaid—1 5/16 lbs., 40c; 3 lbs., 65c; 7 lbs., \$1.20; 25 lbs., \$3.45. At Store—1 5/16 lbs., 25c; 3 lbs., 50c; 7 lbs., \$1.00; 25 lbs., \$3.00.

PRATT'S R-P TABLETS

A treatment for Roup and other types of colds. At the first signs of roup separate diseased birds and give each adult one R-P Tablet daily. Younger fowls portion of tablets. For flock treatment as a roup preventative dissolve one R-P Tablet in each quart of drinking water.

Postpaid—Small Size (about 75 tablets) 25c; Large Size (about 200 tablets) 55c. At Store—Small Size (about 75 tablets) 25c; Large Size (about 200 tablets) 50c.

PRATT'S SPLIT ACTION WORM CAPSULE

An Exclusive Patented Feature. It takes different drugs to eradicate different worms. Each worm treatment in Split Action Capsules acts separately and hours apart. More effective, less shocking to the bird.

Postpaid—Adult Size—Doz., 25c; 50, 60c; 100, \$1.00; 500, \$4.45; 1,000, \$8.50. Chick Size—Doz., 20c; 50, 50c; 100, 75c; 500, \$3.00; 1,000, \$5.75.

PRATT'S ROOST PAINT

It kills lice by contact and with nicotine fumes which remain deadly to lice for days. Simply apply a thin strip of Pratt's Roost Paint on top of roosts. Has an oil base which is readily soaked up and spread through the feathers.

Postpaid—2 oz., 40c; ½ pt., \$1.10; 1 pt., \$1.85. At Store—2 oz., 40c; ½ pt., \$1.00; 1 pt., \$1.75.

PRATT'S INHALANT

A new water soluble inhalant which gives better control of simple colds that often develop into deadly ravaging outbreaks of roup, bronchitis and pneumonia. Ready to use. Simply spray over the fowls. Its germ killing medicines mix readily with watery secretions of respiratory tract and actually coats the tissues with germ-killing, healing medication.

Postpaid—Pt. 75c; Qt. \$1.25. At Store—Pt. 60c; Qt. \$1.00.

PRATT'S C-KA-GENE

Builds immunity to Bloody Coccidiosis. This new compound fed 1¼ lbs. to each 100 lbs. mash from one week before the chicks are allowed outside on the ground until 4 to 8 weeks thereafter builds up an effective protection against Bloody Coccidiosis.

Postpaid—Pkg. 1¼ lbs. 85c; 3½ lbs. \$1.40. At Store—Pkg. 1¼ lbs. 75c; 3½ lbs. \$1.25.

All items on this page except chicks postpaid through 3rd zone only.

BUCHANAN'S

TESTED SEEDS



FUNK'S G HYBRID CORN

(SEE PAGE 45)

R.B.BUCHANAN SEED CO.
18 S. FRONT ST. *Inc.* MEMPHIS, TENN.